XR-C6100/C6100W

SERVICE MANUAL

US Model
Canadian Model
XR-C6100

E Model
XR-C6100/C6100W

Photo: XR-C6100

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
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Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MG-25J-136

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US only)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
12 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 1% total harmonic distortion.

Cassette player section

Tape track	4-track 2-channel stereo
Wow and flutter	0.08 % (WRMS)
Frequency response	30 – 20,000 Hz
Signal-to-noise ratio	

Cassette type	Dolby B NR	Dolby NR off
TYPE II, IV	67 dB	61 dB
TYPE I	64 dB	58 dB

Tuner section

FM

Tuning range	
US, Canadian models:	87.5 – 107.9 MHz
E model:	FM tuning interval: 50 kHz/200 kHz switchable 87.5 – 108.0 MHz (at 50 kHz step) 87.5 – 107.9 MHz (at 200 kHz step)
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz
Usable sensitivity	8 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	65 dB (stereo), 68 dB (mono)
Harmonic distortion at 1 kHz	0.5 % (stereo), 0.3 % (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz
Capture ratio	2 dB

AM (US, Canadian models)

Tuning range	530 – 1,710 kHz

MW (E model)

Tuning range	MW tuning interval : 9kHz/10kHz switchable 531 – 1,602 kHz (at 9kHz step) 530 – 1,710 kHz (at 10kHz step)

SW (E model)

Tuning range	SW tuning interval : SW1: 2,940 - 7,735 kHz SW2: 9,500 - 18,135 kHz (except for 10,140 - 11,575 kHz)
Antenna terminal	External antenna connector
Intermediate frequency	10.71 MHz/450kHz
Sensitivity	
US, Canadian models:	30 μV
E model:	40μV

– Continued on next page –

XR-C6100: US, Canadian Model
FM/AM CASSETTE CAR STEREO

XR-C6100/C6100W: E Model
FM/MW/SW CASSETTE CAR STEREO

SONY®

MICROFILM

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	40 W × 4 (at 4 ohms)

General

Outputs	Power antenna control lead Power amplifier control lead Line out Rear (1) Front (1)
Tone controls	Bass ±8 dB at 100 Hz Treble ±8 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 188 × 58 × 181 mm (7 1/2 × 2 3/8 × 7 1/4 in.) (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 164 mm (7 1/4 × 2 1/8 × 6 1/2 in.) (w/h/d)
Mass	Approx. 1.2 kg (2 lb. 10 oz.)
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Commander RM-X47 (E model)

Design and specifications are subject to change without notice.

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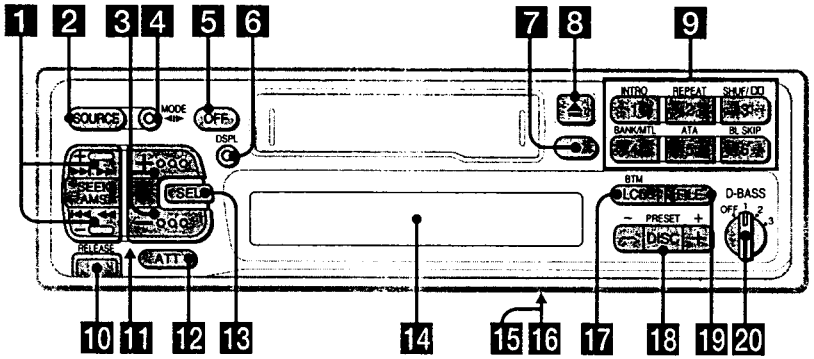
Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Location of controls



Refer to the pages for further details.

1 SEEK/AMS button 6, 7, 8, 11, 13

2 SOURCE button (TAPE/TUNER/CD/MD) 6, 7, 8, 11, 13

3 ⊕⊖ (volume/bass/treble/left-right/front-rear control) button 5, 9, 10, 12, 13

4 MODE (◄I►) button
During Tuner reception:
BAND select 7, 8

During Tape playback:
Transport direction change 6

During CD/MD playback:
Unit select 11

5 OFF button 4, 5, 6

6 DSPL (display mode change/time set) button 5, 6, 8, 9, 11, 13

7 Receptor for wireless remote

8 ⏏ (eject) button 6

9 During radio reception:
Preset number buttons 8

During tape/CD/MD playback:
① INTRO button 6, 11
② REPEAT button 6, 11, 12
③ SHUF/DD (Shuffle/Dolby B NR) button 7, 12
④ BANK/MTL button 7, 13
⑤ ATA (Automatic Tuner Activation) button 7
⑥ BL SKIP (Blank Skip) button 7

10 RELEASE (front panel release) button 4, 15

11 Reset button (located on the front side of the unit hidden by the front panel) 4
Press this button when you use this unit for the first time, when you have changed the car battery, or when the buttons of this unit do not function properly.

12 ATT button 10

13 SEL (control mode select) button 5, 9, 10, 12, 13

14 Display window

15 POWER SELECT switch (located on the bottom of the unit)
See "POWER SELECT Switch" in the Installation/Connections manual.

16 Frequency Select switch (located on the bottom of the unit) **(E model)**
See "Frequency Selet switch" in the Installation/Connections manual.

17 LCL/BTM (local seek/Best tuning memory function) button 7, 8

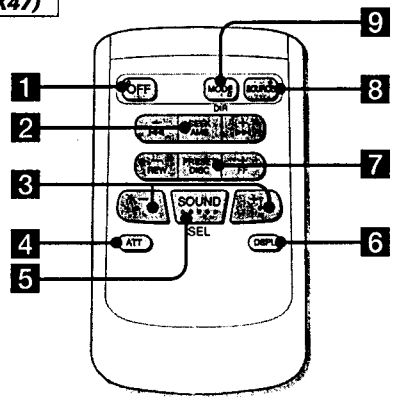
18 PRESET/DISC button
During Tuner reception:
Preset station select 8

During CD/MD playback:
Disc change 11

19 FILE (custom file mode select/set) button 8, 9, 12, 13

20 D-BASS control 10

Wireless Remote Commander (RM-X47)



1 OFF button

2 SEEK/AMS button
You cannot do the manual search and manual tuning with the remote commander.

3 ⊕ ⊖ button

4 ATT button

5 SOUND/SEL button

6 DSPL button

7 PRESET/DISC button

8 SOURCE button
Press to select program sources.
Each time the button is pressed, the program source mode changes as follows:

TAPE → TUNER → CD* → MD* → TAPE

9 MODE/DIR button

During Tape playback:
Changes the playback side of the cassette.

During CD/MD playback:
Selects CD/MD units when several CD/MD units are connected.

During radio reception:
Changes preset groupes within band received.

FM1 → FM2 → FM3 → SW2 → SW1 → MW → FM1

* *When the CD/MD unit is connected.*

The unit cannot be operated with the wireless remote commander unless the SOURCE button on the unit is pressed or a cassette is inserted to activate the unit first.

This section is extracted from instruction manual.

Installation

Precautions

- Do not tamper with the four holes on the upper surface of the unit. They are used for tuner adjustments to be made only by service technicians.
- Choose the installation location carefully so the unit will not interfere with driving.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where it would be subject to dust, dirt, or excessive vibration.
- Use only the supplied mounting hardware for safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 20°.

How to Detach and Attach the Front Panel

Before installing the unit, detach the front panel.

To detach

Press (RELEASE) to detach the front panel then gently pull it out.

To attach

Align parts Ⓐ and Ⓑ, and push the front panel in until it clicks.

Instalación

Precauciones

- No toque los cuatro orificios de la superficie superior de la unidad. Estos orificios son para ajustes del sintonizador que solamente deberán realizar técnicos de reparación.
- Elija cuidadosamente el lugar de montaje de forma que la unidad no interfiera las funciones normales de conducción.
- Evite instalar la unidad donde pueda quedar sometida a altas temperaturas como las de la luz solar directa y el aire caliente de la calefacción, o a polvo, suciedad y vibraciones excesivas.
- Para realizar una instalación segura y firme, utilice solamente la ferretería de montaje suministrada.

Ajuste del ángulo de montaje

Ajuste el ángulo de montaje a menos de 20°.

Forma de extraer e instalar el panel frontal

Antes de instalar la unidad, extraiga el panel frontal.

Para extraerlo

Presione la tecla (RELEASE) para extraer el panel frontal y, a continuación, tire de él hacia fuera con suavidad.

Para instalarlo

Alinee las partes Ⓐ y Ⓑ, y presione el panel frontal hasta que chasquee.

安裝

使用前須知事項

- 請勿擅自觸動本機頂部的四個小孔。該孔只供專業人員調整調諧機時之用。
- 本機請放在不妨礙司機駕駛之處。
- 避免把本機放在高溫之處，如陽光直接照射、暖氣機前，或灰塵極多，髒亂或易受震動等地方。
- 為了安全起見，安裝時請使用附屬的安裝零件。

安裝角度之調整

請在 20 度以內調整安裝角度。

前板之裝卸

開始安裝以前，請先拆下前板。

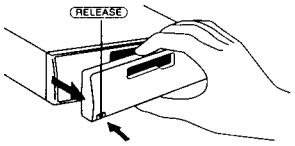
要拆卸時

按下 (RELEASE)（釋放）按鈕以掀開前面板，然後平穩地把它取下。

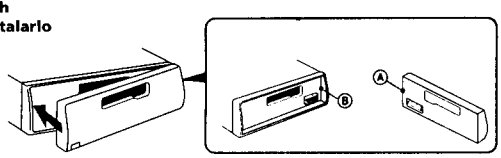
要安裝時

如圖所示，對齊前板的 Ⓐ 孔及本機的支軸 Ⓑ 點，然後將左側向內壓入。

To detach
para extraerlo
要拆卸時



To attach
para instalarlo
要安裝時



Mounting Example

Installation in the dashboard

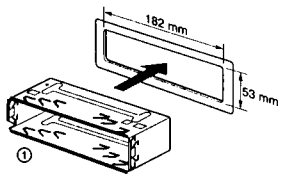
Ejemplo de montaje

Instalación en el salpicadero

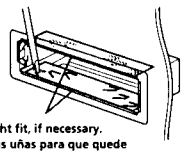
安裝例子

安裝於儀表板上

1

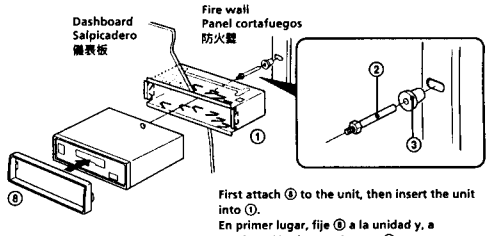


2



Bend these claws for a tight fit, if necessary.
Si es necesario, doble estas uñas para que quede firmemente encajado.
如有必要，折彎這些小卡爪緊緊。

3



First attach Ⓑ to the unit, then insert the unit into ①.
En primer lugar, fije Ⓑ a la unidad y, a continuación, inserte ésta en ①.
首先將 Ⓑ 裝到機器上，然後將機器裝插入 ① 。

Mounting the Unit in a Japanese Car

This unit may not be installed in some makes of cars. In this case, consult your nearest Sony dealer.

Montaje de la unidad en un automóvil japonés

Usted no podrá instalar esta unidad en algunos automóviles. En tal caso, consulte a su proveedor Sony.

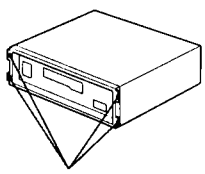
要安裝於日本汽車裡

有些廠牌汽車可能不能安裝本機，此時，請洽詢附近的 Sony 經銷店。

1 **Run a blade along the slits on the back of the front trim and cut it off of the unit.**

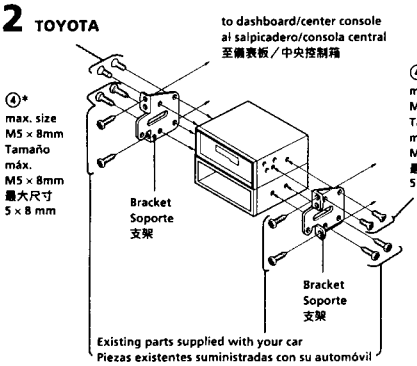
Pase una cuchilla a lo largo de las ranuras de la parte posterior del adorno frontal y córtelo.

用鋸鋸沿著前整飾部後的縫隙，將它從機器上切下來。



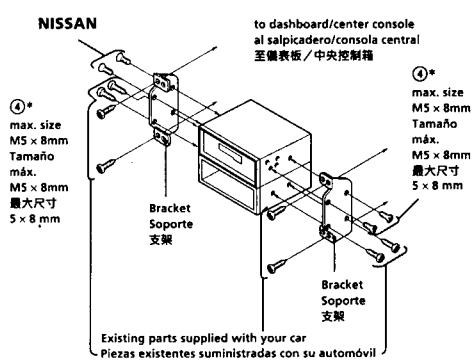
With nippers or similar, cut off the claws on both side of the unit.
Con unas tenazas o una herramienta similar, corte los ganchos de ambos lados de la unidad.
用鉗子或類似工具剪掉本機兩側的卡爪。

2 **TOYOTA**



Existing parts supplied with your car
Piezas existentes suministradas con su automóvil
安裝時，請使用附屬於汽車的各種零件。

NISSAN



Existing parts supplied with your car
Piezas existentes suministradas con su automóvil
安裝時，請使用附屬於汽車的各種零件。

Note
To prevent malfunction, install only with the supplied screws ④.

Nota
Para evitar que se produzcan fallos de funcionamiento, realice la instalación solamente con los tornillos suministrados ④.

註
為防止發生意外事故，安裝時只能使用附屬的螺絲 ④。

Connection

Caution

- This unit is designed for negative ground 12 V DC operation only.
- Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the **yellow** and **red** power input leads only after all other leads have been connected.
- Be sure to connect the red power input lead to the positive 12 V power terminal which is energized when the ignition key is in the accessory position.
- **Run all ground wires to a common ground point.**
- Connect the yellow cord to a free car circuit rated higher than the unit's fuse rating.
  If you connect this unit in combination with other stereo components, the car circuit they are connected to must be rated higher than the sum of the individual component's fuse rating.
  If there are no car circuits rated as high as the unit's fuse rating, connect the unit directly to the battery.
  If your car provides no circuit specifically for an audio unit, connect the unit to a car circuit rated higher than the unit's fuse rating in such a way that if the unit blows its fuse, no other circuits will be cut off.

If your car has no accessory position on the ignition key switch — POWER SELECT switch

The illumination on the front panel is factory set to be turned on even while the unit is not in use. However, this setting may cause some car battery wear **if your car has no accessory position on the ignition key switch.** To avoid this battery wear, **set the POWER SELECT switch located on the bottom of the unit to the ⓑ position, then press the reset button.** The illumination is reset to stay off while the unit is not in use.

Note

The caution alarm for the front panel is not activated when the POWER SELECT switch is set to the ⓑ position.

Frequency select switch

The MW (FM) tuning interval is factory-set to the 9K (50 K) position. If the frequency allocation system of your country is based on 10 kHz (200 kHz) interval, set the switch on the bottom of the unit to the 10 K (200 K) position before making connections.

Conexiones

Precauciones

- Esta unidad ha sido diseñada para alimentarse con 12 V CC, negativo a masa, solamente.
- Antes de realizar las conexiones, desconecte el terminal de puesta a masa de la batería del automóvil a fin de evitar cortocircuitos.
- Conecte los cables conectores de alimentación **amarillo** y **rojo** solamente después de haber conectado los demás.
- Cerciórese de conectar el cable conector de alimentación rojo al terminal de 12 V positivo que se energice al poner la llave de encendido en la posición para accesorios.
- **Conecte todos los conductores de puesta a masa a un punto común.**
- Conecte el cable amarillo a un circuito libre del automóvil que tenga una capacidad superior a la del fusible de la unidad.
  Si conecta esta unidad en combinación con otros componentes de estéreo, el circuito del automóvil al que se encuentran conectados debe tener una capacidad superior a la de la suma de las capacidades de los fusibles de cada componente.
  Si ningún circuito del automóvil tiene una capacidad tan alta como la del fusible de la unidad, conecte ésta directamente a la batería.
  Si el automóvil no dispone de ningún circuito especificamente para unidades de audio, conecte la unidad a un circuito con una capacidad superior a la del fusible de la unidad de tal manera que si se funde el fusible de ésta, no se cortará ningún otro circuito.

Si el automóvil no dispone de posición para accesorios en la llave de encendido — Selector POWER SELECT

La iluminación del panel frontal ha sido ajustada en fábrica para que esté activada aunque la unidad no se encuentre en reproducción. Sin embargo, este ajuste puede provocar cierta descarga de la batería del automóvil **si éste no dispone de posición para accesorios en la llave de encendido.** Para evitar esto, **ponga el selector POWER SELECT, situado en la base de la unidad, en la posición ⓑ y, después, presione el botón de reposición.** La iluminación estará desactivada cuando la unidad no se encuentre en reproducción.

Nota

La alarma de precaución del panel frontal no se activará cuando el selector POWER SELECT se encuentre en la posición ⓑ.

Selector de frecuencia

El intervalo de sintonía de MW (FM) ha sido ajustado en fábrica a la posición 9 K (50 K). Si el sistema de asignación de frecuencias de su país se basa en el intervalo de 10 kHz (200 kHz), ponga este selector, situado en la base de la unidad, en la posición 10 K (200 K) antes de realizar las conexiones.

線路之連接

注意

- 本機只能使用負極接地 12 V 直流電源。
- 連接以前，先拔取汽車電池的接地端子，以免發生短路。
- **紅色**和**黃色**電源輸入導線必須等所有電線都連接完畢以後才連接。
- 紅色電源輸入導線請連接到汽車發動機點火鑰匙被轉在輔助位置時才通電狀態的正 12 V 電源端子。
- **所有地線都必須連接到同一地點才行。**
- 將黃色導線連接到大於機器保險絲額定容量的沒利用的汽車電路上。
  如果把本機和其他立體聲組成機串聯了，所連接的汽車電路容量必須大於各組成機保險絲容量的總和。
  如果沒有和機器保險絲額定容量一樣大的汽車電路可資利用，可把機器直接連接到電池上。
  若無適當的汽車電路可用於連接本機，請把機器連接到大於機器保險絲容量的汽車電路。如此，即使本機的保險絲繼斷了，也不致於切斷其他電路。

若要在汽車發動機點火鑰匙開關沒具輔助位置的汽車裡使用時 — POWER SELECT 開關

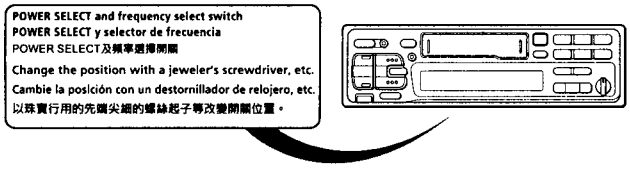
前板的照明燈在未出廠以前，被設定在即使不使用也會發亮的狀態。若**要在汽車發動機點火鑰匙開關沒具輔助位置的汽車裡使用本機的話，**此照明燈將會一直消耗微量的汽車電池電力。因此為了避免在這種狀態下的電池消耗，**請把本機底下的 POWER SELECT 開關設定在 ⓑ 之處，然後按壓前板的重調鍵。**倒不使用本機時，照明燈便不發亮。

註

若您把 POWER SELECT（電源選擇）開關設定於 ⓑ 位置時，前面板用的注意警告將不能被啟動。

頻率選擇開關

本裝置的 MW (FM) 調諧區間在出廠以前被設定在 "9 K (50 K)" 位置上。若貴地的頻率區間為 "10 kHz (200 kHz)"，連接以前請先把本機機底的選擇開關設定在 "10 K (200 K)" 之處。


POWER SELECT and frequency select switch
POWER SELECT y selector de frecuencia
POWER SELECT及頻率選擇開關
Change the position with a jeweler's screwdriver, etc.
Cambie la posición con un destornillador de relojero, etc.
以珠寶行用的先端尖細的螺絲起子等改變開關位置。

When you change the position of the switch, be sure to press one of the reset button after the connections are complete.

Cuando haya cambiado la posición del selector, cerciórese de presionar uno de los botones de reposición después de haber finalizado las conexiones.

改變開關位置時，請一定在連接好機器後按下重調鍵。

Reset button

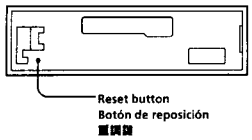
When the installation and connections are complete, be sure to press the reset button with a ballpoint pen etc. The reset button is located on the left of the connector on the unit side when the front panel is detached.

Botón de reposición

Cuando haya finalizado la instalación y las conexiones, cerciórese de presionar el botón de reposición con un boligrafo, etc. El botón de reposición se encuentra a la izquierda del conector de la parte lateral de la unidad, una vez extraido el panel frontal.

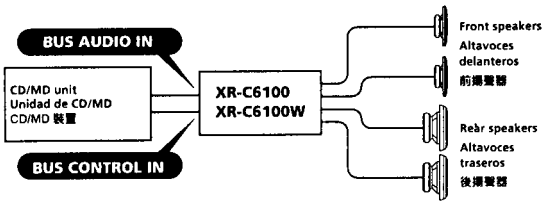
重調鍵

安裝和線路之連接完畢以後，請以圓珠筆等按壓重調鍵。取下前板時，即可看到重調鍵位於本機連接器左邊。

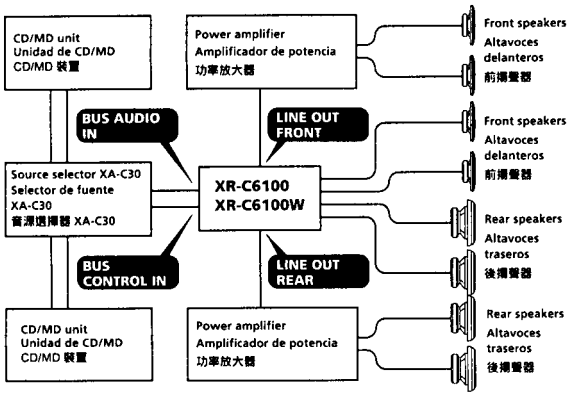


Connection diagram/Diagrama de conexiones/線路連接方塊圖

Example 1 / Ejemplo 1 /例 1



Example 2 / Ejemplo 2 /例 2



If you connect and optional power amplifier and do not use the built-in amplifier, the beep-tone will be disabled.
For connecting two or more changers, the source selector XA-C30 (optional) and the BUS cable RC-61 (1 m) or RC-62 (2 m) (optional) are necessary.

Si conecta un amplificador opcional de potencia y no utiliza el incorporado, el pitido se desactivará.
Cuando desee conectar dos o más cambiadores, necesitará un selector de fuente XA-C30 (opcional) y un cable BUS RC-61 (1 m) o RC-62 (2 m) (opcional).

如果連接了一個購件功率放大器而不用內裝的放大器，即將不發出嗶聲。
要連接兩個、或兩個以上的換碟器時，便須使用音源選擇器XA-C30（選購件）和BUS 電纜 RC-61（1米）或 RC-62（2米）（選購件）。

Note for Connecting

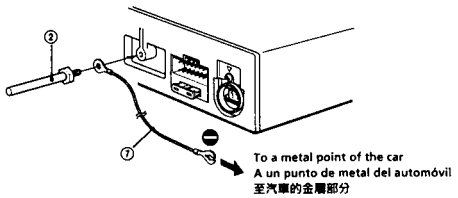
If there is alternator noise (a whining sound when raising engine speed), ground the master unit by connecting it to a metal point of the car with the supplied chassis ground cord ⑦. Connect the ground cord to the master unit with part ② as shown in the illustration.

Nota sobre conexión

Si el alternador emite ruido (un zumbido al aumentar la velocidad del motor), conecte la unidad principal a tierra y, para ello, enchúfela a un punto de metal del automóvil mediante el cable de toma a tierra del chasis ⑦ suministrado. Conecte el cable de toma a tierra a la unidad principal con la pieza ② como se muestra en la ilustración.

連接須知

如果發現有交流聲（當汽車發動機加速時發生的哼聲）時，請用附帶的底盤接地線 ⑦ 將本機接地到汽車的金屬車體部分。利用如圖所示部件 ② 連接主機的接地線。



Caution

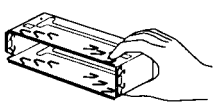
Cautionary notice for handling the bracket ①. Handle the bracket carefully to avoid injuring your fingers.

Precaución

Advertencia sobre la manipulación del soporte ①. Tenga mucho cuidado al manipular el soporte para evitar posibles lesiones en los dedos.

注意

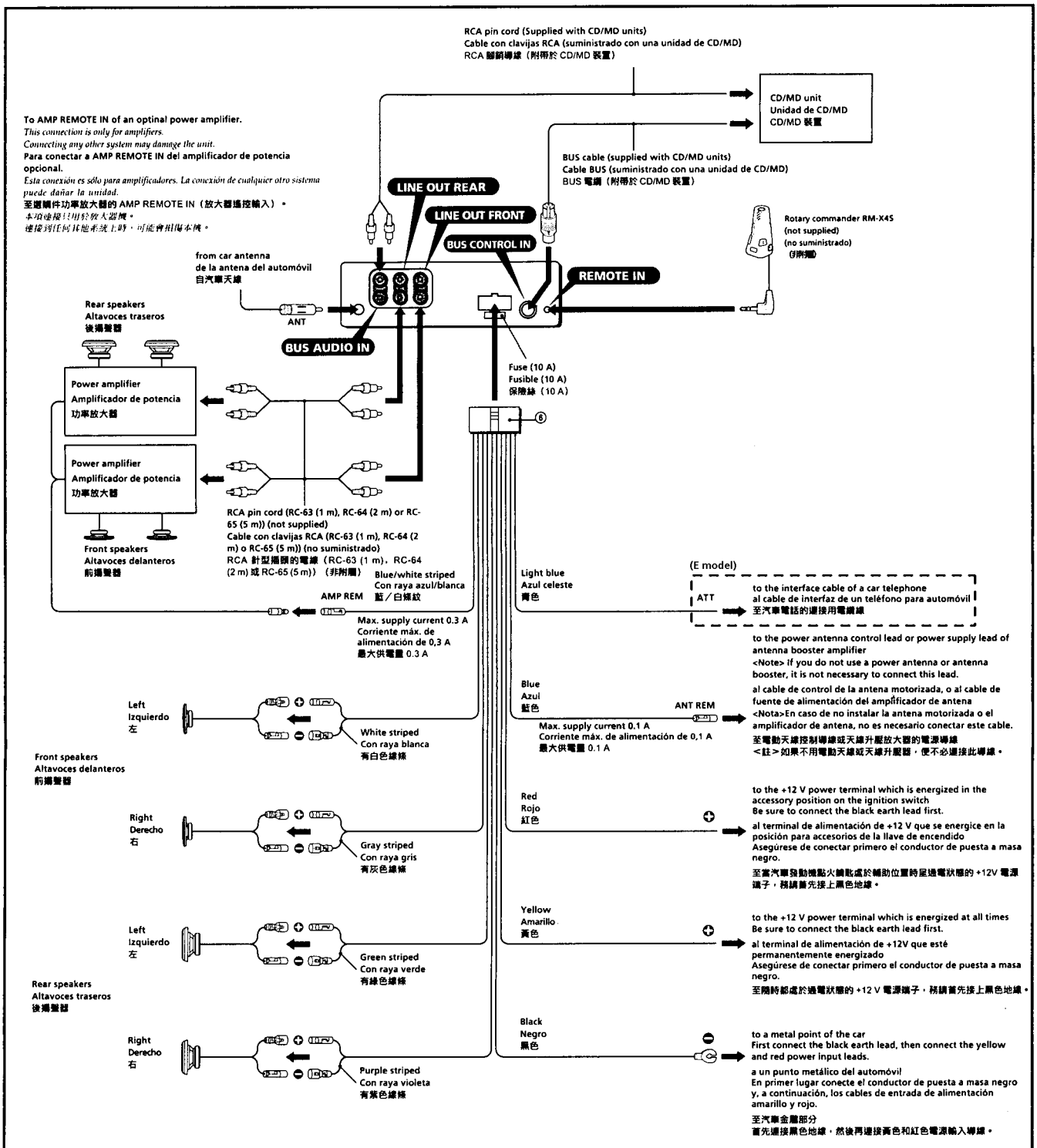
移動裝卸視架 ① 時，請特別注意別傷到手指。



Connection example

Ejemplo de conexiones

線路之連接圖例


RCA pin cord (Supplied with CD/MD units)
Cable con clavijas RCA (suministrado con una unidad de CD/MD)
RCA 腳銷導線（附帶於 CD/MD 裝置）
CD/MD unit
Unidad de CD/MD
CD/MD 裝置
To AMP REMOTE IN of an optinal power amplifier.
This connection is only for amplifiers.
Connecting any other system may damage the unit.
Para conectar a AMP REMOTE IN del amplificador de potencia opcional.
Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.
至選購件功率放大器的 AMP REMOTE IN（放大器遙控輸入）。
本項連接只用於放大器機。
連接到任何其他系統上時，可能會損傷本機。
BUS cable (supplied with CD/MD units)
Cable BUS (suministrado con una unidad de CD/MD)
BUS 電纜（附帶於 CD/MD 裝置）
LINE OUT REAR
LINE OUT FRONT
BUS CONTROL IN
REMOTE IN
Rotary commander RM-X4S
(not supplied)
(no suministrado)
(另附)
from car antenna
de la antena del automóvil
自汽車天線
ANT
BUS AUDIO IN
Rear speakers
Altavoces traseros
後揚聲器
Power amplifier
Amplificador de potencia
功率放大器
Power amplifier
Amplificador de potencia
功率放大器
Front speakers
Altavoces delanteros
前揚聲器
RCA pin cord (RC-63 (1 m), RC-64 (2 m) or RC-65 (5 m)) (not supplied)
Cable con clavijas RCA (RC-63 (1 m), RC-64 (2 m) o RC-65 (5 m)) (no suministrado)
RCA 針型插頭的電線（RC-63 (1 m)、RC-64 (2 m) 或 RC-65 (5 m)）（非附屬）
Fuse (10 A)
Fusible (10 A)
保險絲（10 A）
Blue/white striped
Con raya azul/blanca
藍／白條紋
AMP REM
Max. supply current 0.3 A
Corriente máx. de alimentación de 0,3 A
最大供電量 0.3 A
Light blue
Azul celeste
青色
(E model)
ATT
to the interface cable of a car telephone
al cable de interfaz de un teléfono para automóvil
至汽車電話的連接用電纜線
to the power antenna control lead or power supply lead of antenna booster amplifier
<Note> if you do not use a power antenna or antenna booster, it is not necessary to connect this lead.
al cable de control de la antena motorizada, o al cable de fuente de alimentación del amplificador de antena
<Nota>En caso de no instalar la antena motorizada o el amplificador de antena, no es necesario conectar este cable.
至電動天線控制導線或天線升壓放大器的電源導線
<註>如果不用電動天線或天線升壓器，便不必連接此導線。
Blue
Azul
藍色
ANT REM
Max. supply current 0.1 A
Corriente máx. de alimentación de 0,1 A
最大供電量 0.1 A
Left
Izquierdo
左
White striped
Con raya blanca
有白色線條
Front speakers
Altavoces delanteros
前揚聲器
Red
Rojo
紅色
to the +12 V power terminal which is energized in the accessory position on the ignition switch
Be sure to connect the black earth lead first.
al terminal de alimentación de +12 V que se energice en la posición para accesorios de la llave de encendido
Asegúrese de conectar primero el conductor de puesta a masa negro.
至當汽車發動機點火鑰匙處於輔助位置時呈通電狀態的 +12V 電源端子，務請首先接上黑色地線。
Right
Derecho
右
Gray striped
Con raya gris
有灰色線條
Yellow
Amarillo
黃色
to the +12 V power terminal which is energized at all times
Be sure to connect the black earth lead first.
al terminal de alimentación de +12V que esté permanentemente energizado
Asegúrese de conectar primero el conductor de puesta a masa negro.
至隨時都處於通電狀態的 +12 V 電源端子，務請首先接上黑色地線。
Left
Izquierdo
左
Green striped
Con raya verde
有綠色線條
Rear speakers
Altavoces traseros
後揚聲器
Black
Negro
黑色
to a metal point of the car
First connect the black earth lead, then connect the yellow and red power input leads.
a un punto metálico del automóvil
En primer lugar conecte el conductor de puesta a masa negro y, a continuación, los cables de entrada de alimentación amarillo y rojo.
至汽車金屬部分
首先連接黑色地線，然後再連接黃色和紅色電源輸入導線。
Right
Derecho
右
Purple striped
Con raya violeta
有紫色線條

Notes on the control leads

- *The power antenna control lead (blue) supplies +12 V DC when you turn on the tuner or when you activate the ATA (Automatic Tuner Activation) Function.*
- *A power antenna without a relay box cannot be used with this unit.*

Memory hold connection

When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection

- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.*
- *Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Therefore, be sure to connect passive speakers to these terminals.*

Notas sobre los conductores de control

- *El conductor de control de la antena motorizada (azul) suministrará +12 V CC cuando conecte la alimentación del sintonizador o cuando active la función de activación automática del sintonizador (ATA).*
- *Con esta unidad no podrá utilizarse una antena motorizada sin caja de relés.*

Conexión para protección de la memoria

Si conecta el conductor de entrada de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, incluso aunque ponga la llave de encendido en la posición OFF.

Notas sobre la conexión de los altavoces

- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 ohmios, y con la potencia máxima admisible adecuada, ya que de lo contrario podría dañarlos.*
- *No conecte los terminales del sistema de altavoces al chasis del automóvil, ni los del altavoz izquierdo a los del derecho.*
- *No intente conectar los altavoces en paralelo.*
- *No conecte altavoces activos (con amplificador incorporado) a los terminales de altavoces de la unidad. Si lo hiciese, podría dañar tales altavoces. Por lo tanto, cerciórese de conectar altavoces pasivos a estos terminales.*

關于控制導線

- *接通調諧器電源或使用 ATA（調諧器自動通電）功能時，功率天線的控制線（藍色）便能供給 12 V 直流電。*
- *本機不能使用沒有繼電箱的功率天線。*

保持記憶的線路連接法

當連接著黃色電源輸入電線時，即使汽車發動機點火鑰匙被轉在電源切斷之處，電源仍將繼續供給電流給記憶用電線，以便持所記憶者的數據。

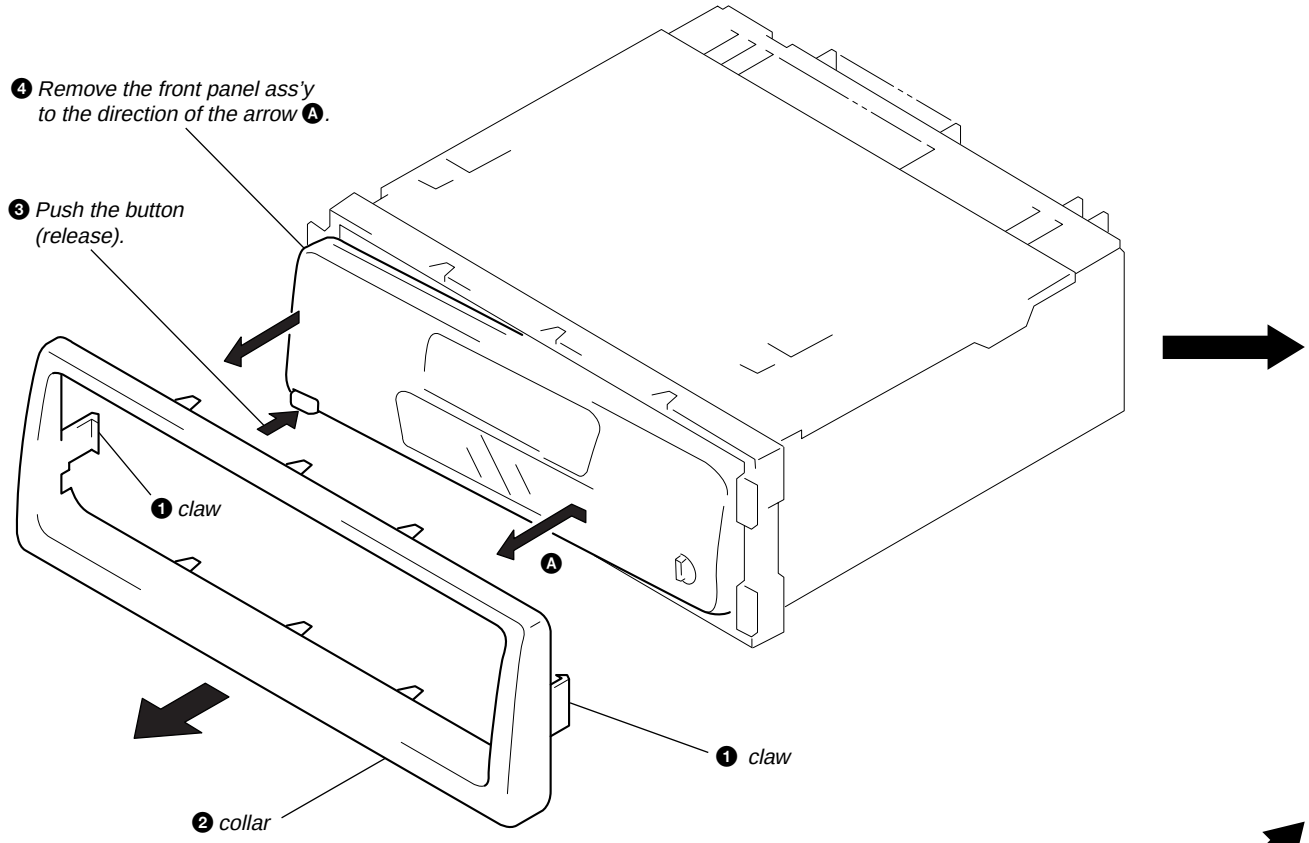
連接揚聲器時的注意事項

- *請接揚聲器電線以前，請先切斷本機電源。*
- *請使用阻抗為 4 到 8 Ω 之間，並具有足夠功率的揚聲器。否則會損壞揚聲器。*
- *不可把揚聲器端子連接到汽車底盤，也不可把左揚聲器端子和右揚聲器的相連接。*
- *揚聲器不可平行的連接。*
- *不可連接有源揚聲器（內裝有放大器者）至本機的揚聲器端子，否則會損壞揚聲器。這些端子只能連接無源揚聲器。*

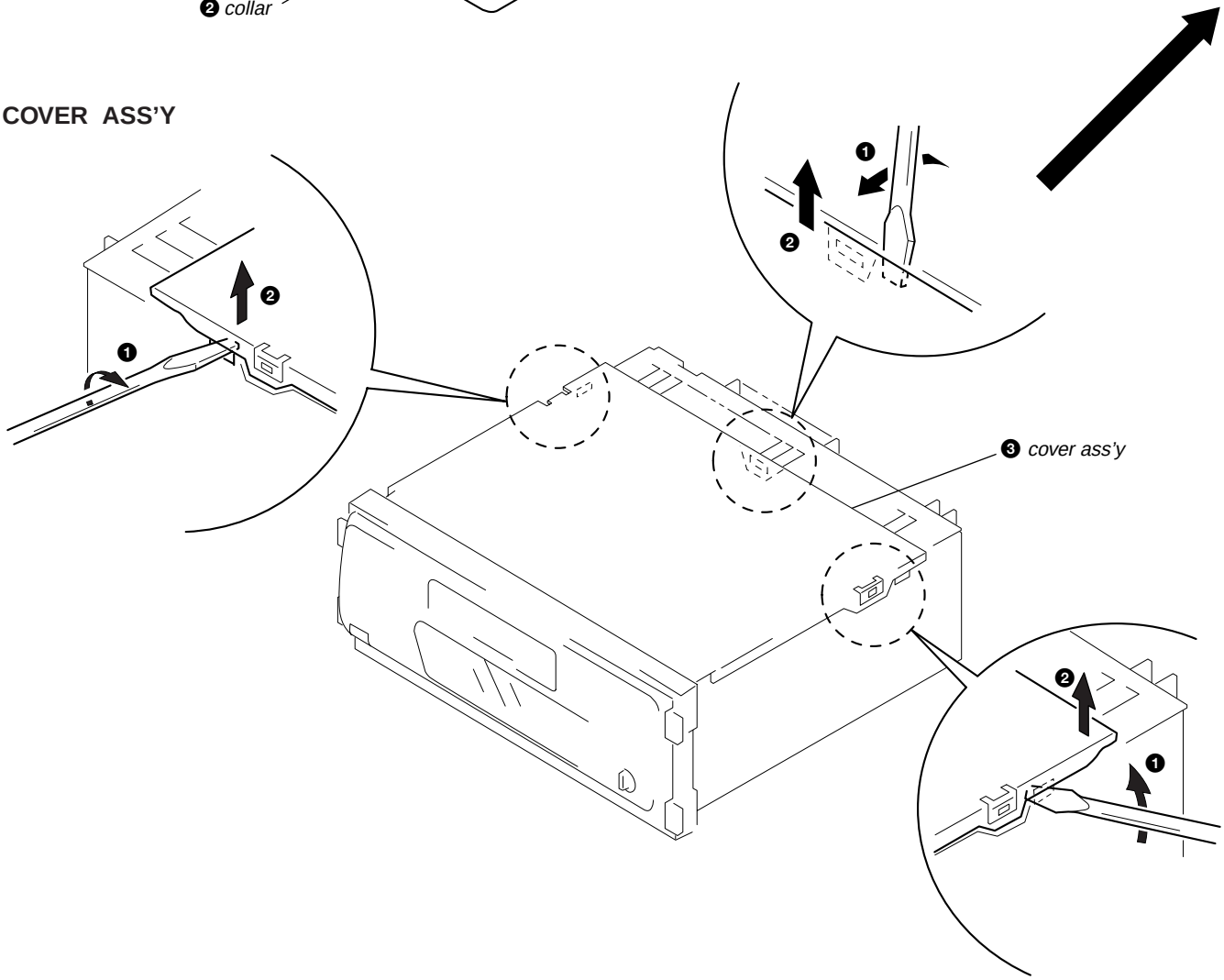
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

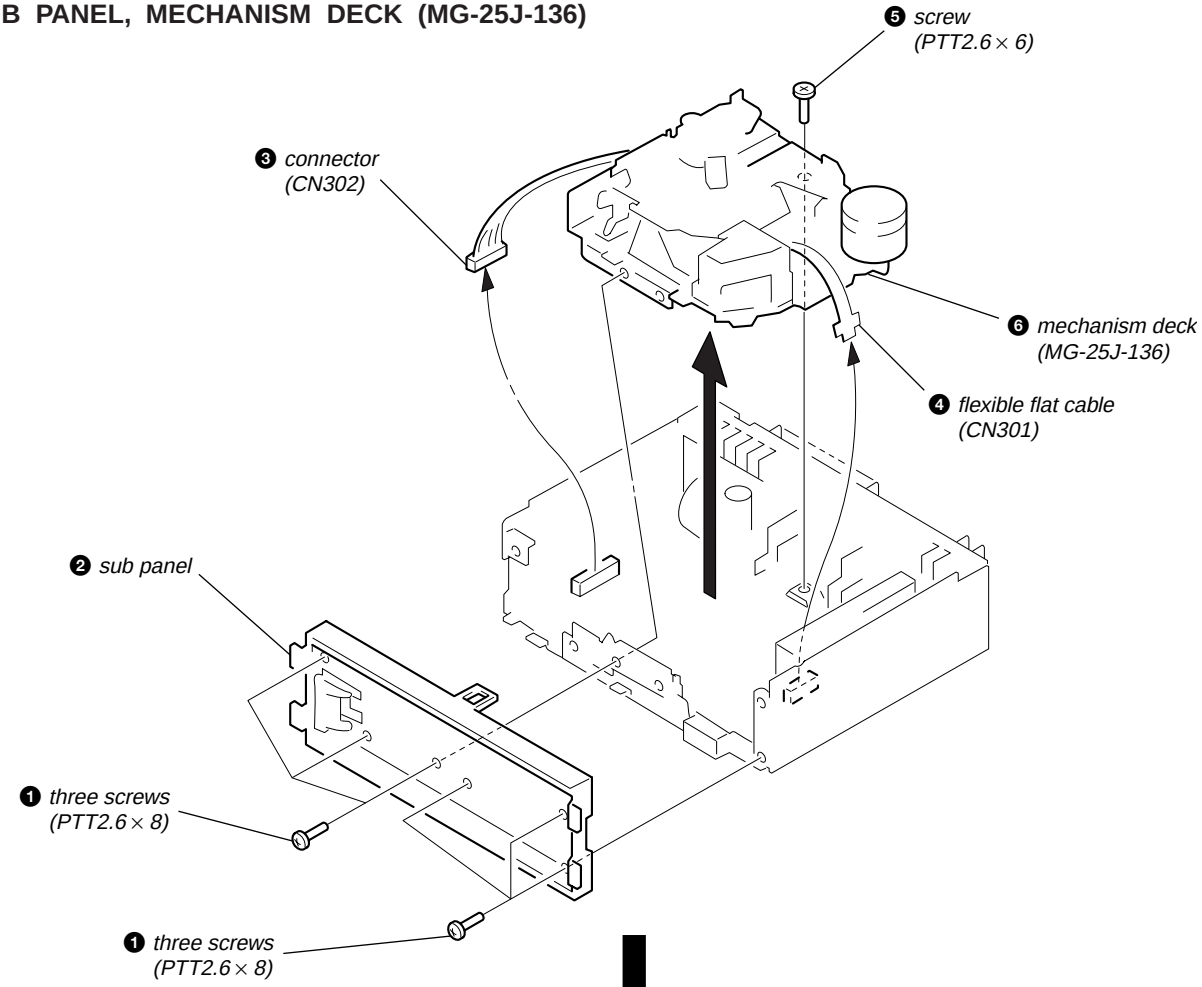
FRONT PANEL ASS'Y



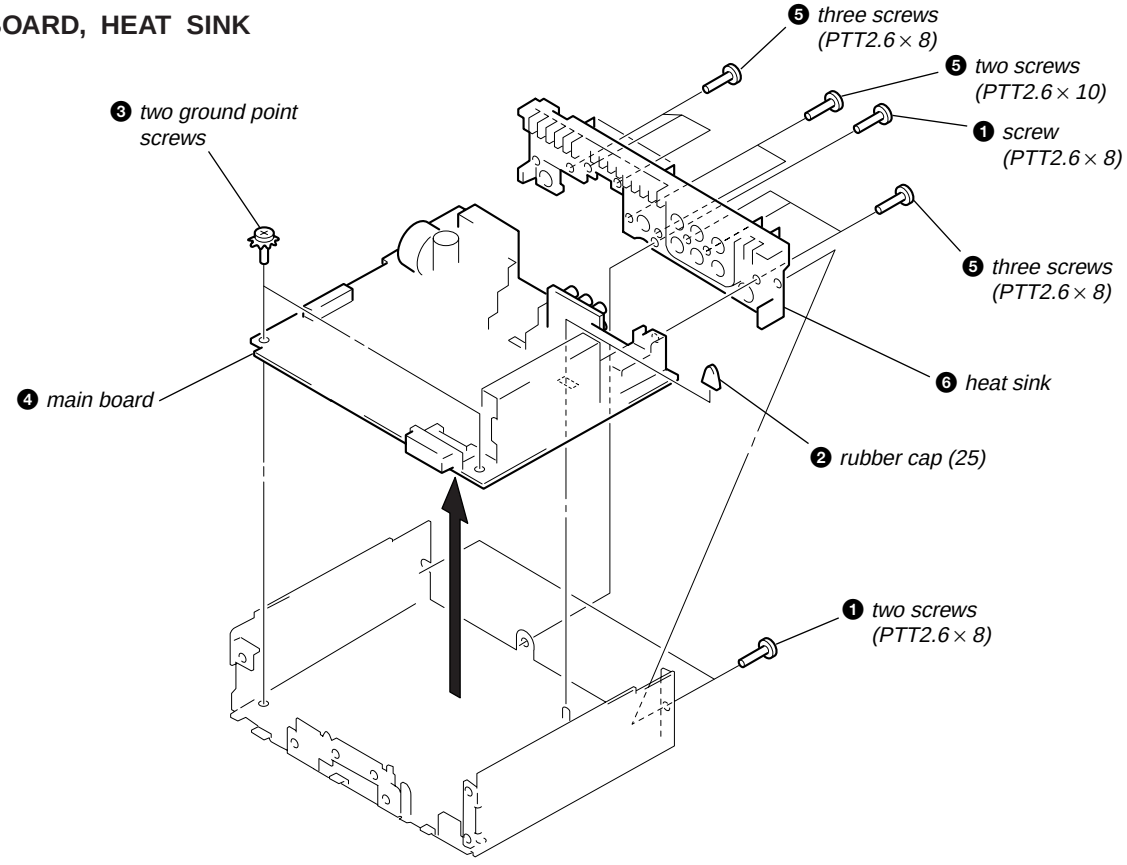
COVER ASS'Y



SUB PANEL, MECHANISM DECK (MG-25J-136)



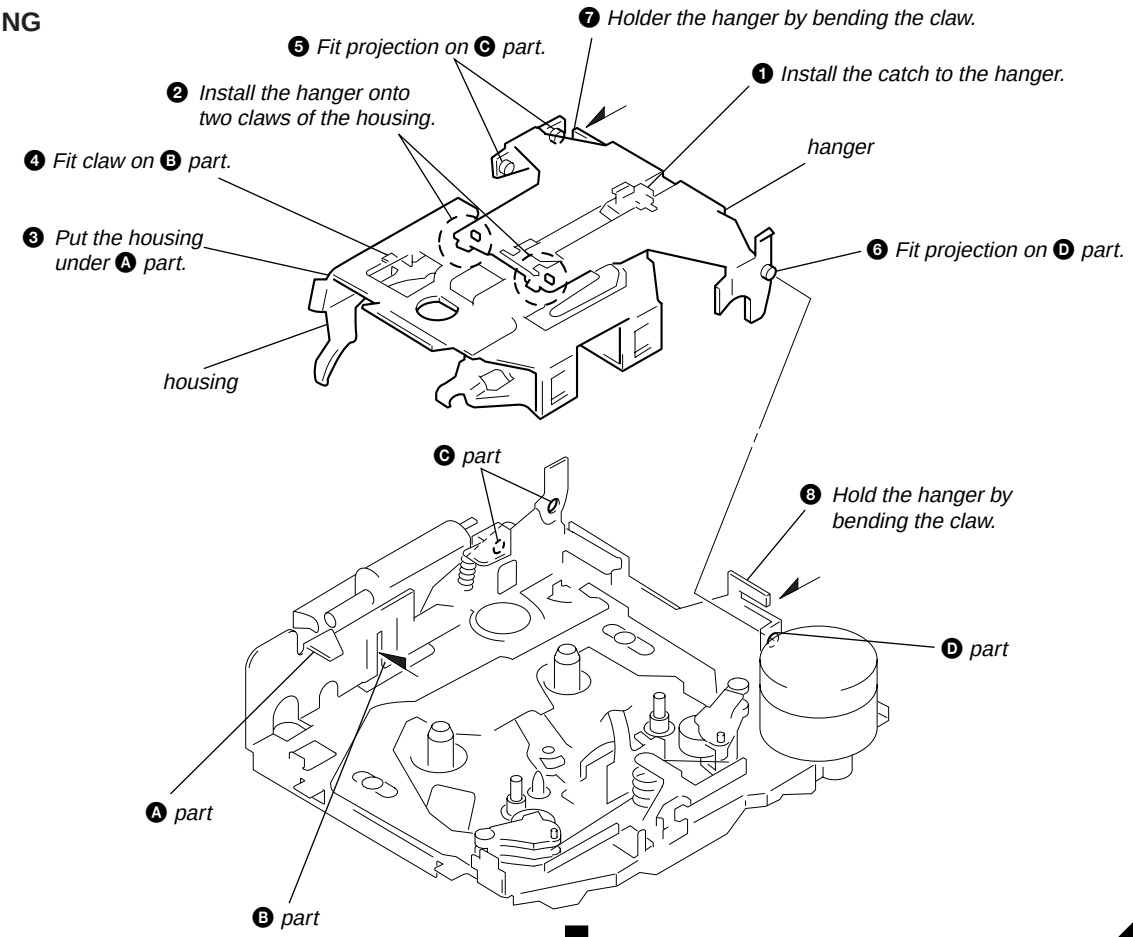
MAIN BOARD, HEAT SINK



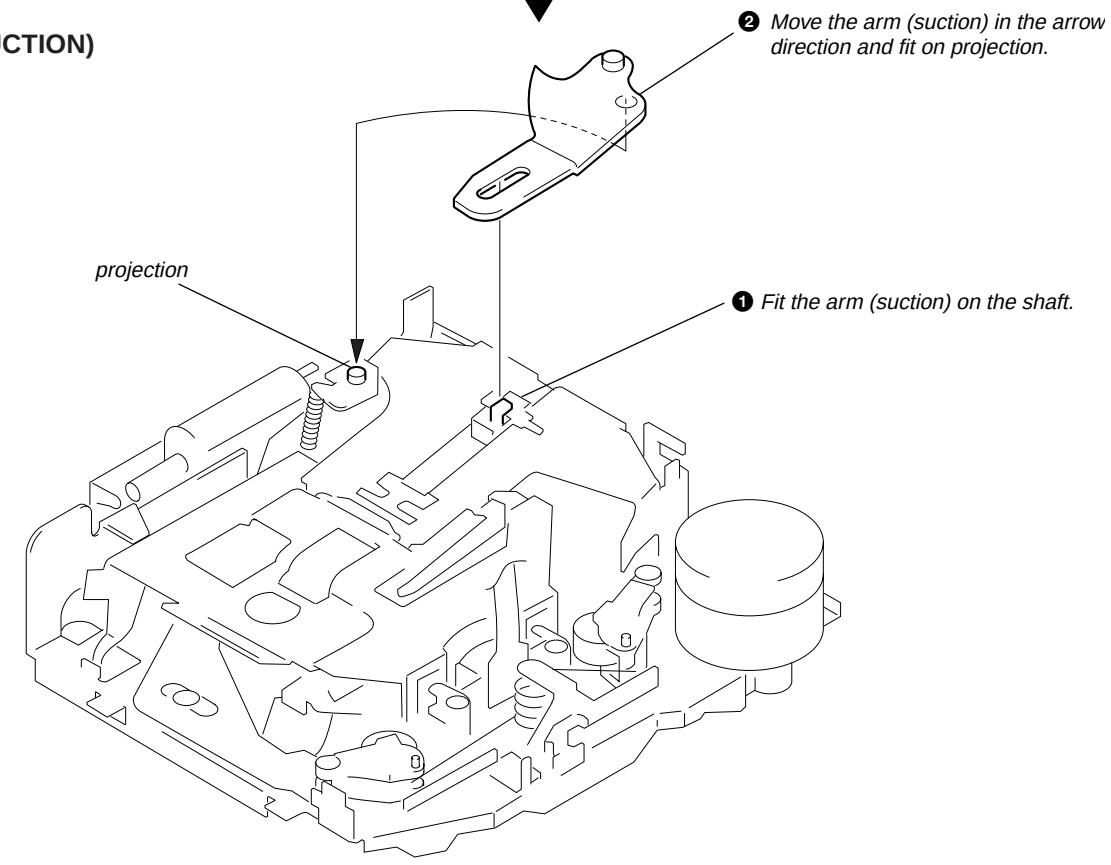
SECTION 3
ASSEMBLY OF MECHANISM DECK

Note: Follow the assembly procedure in the numerical order given.

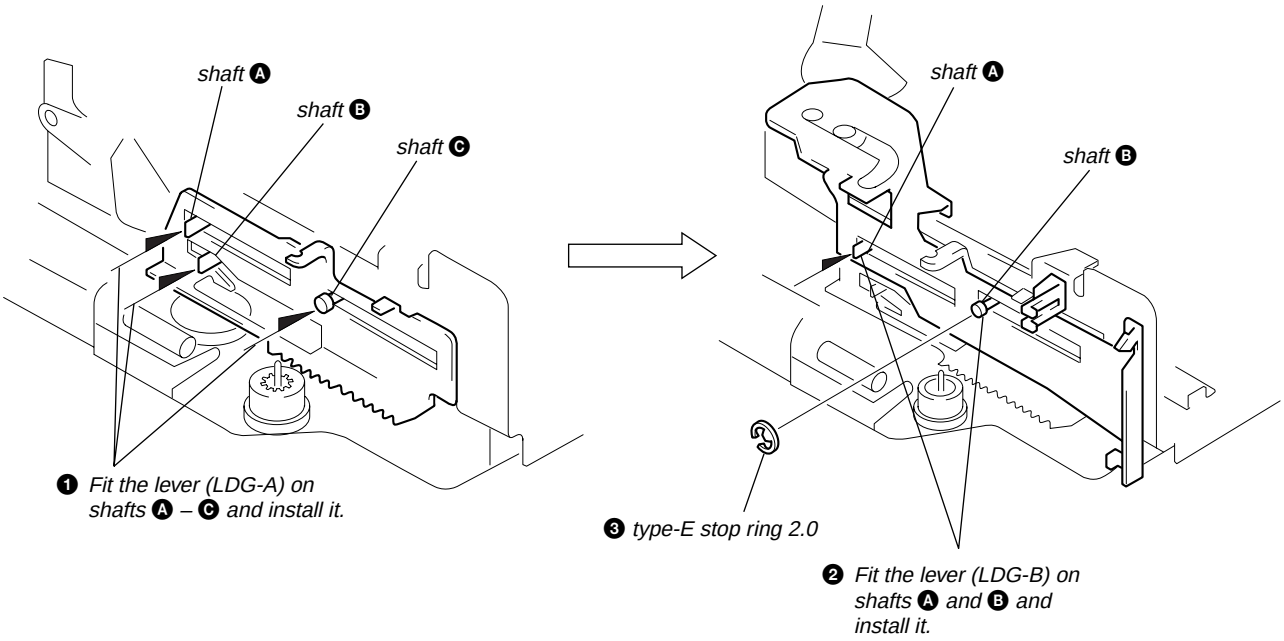
HOUSING


❼ Holder the hanger by bending the claw.
❺ Fit projection on Ⓒ part.
❶ Install the catch to the hanger.
❷ Install the hanger onto two claws of the housing.
hanger
❹ Fit claw on Ⓑ part.
❸ Put the housing under Ⓐ part.
❻ Fit projection on Ⓓ part.
housing
Ⓒ part
❽ Hold the hanger by bending the claw.
Ⓓ part
Ⓐ part
Ⓑ part

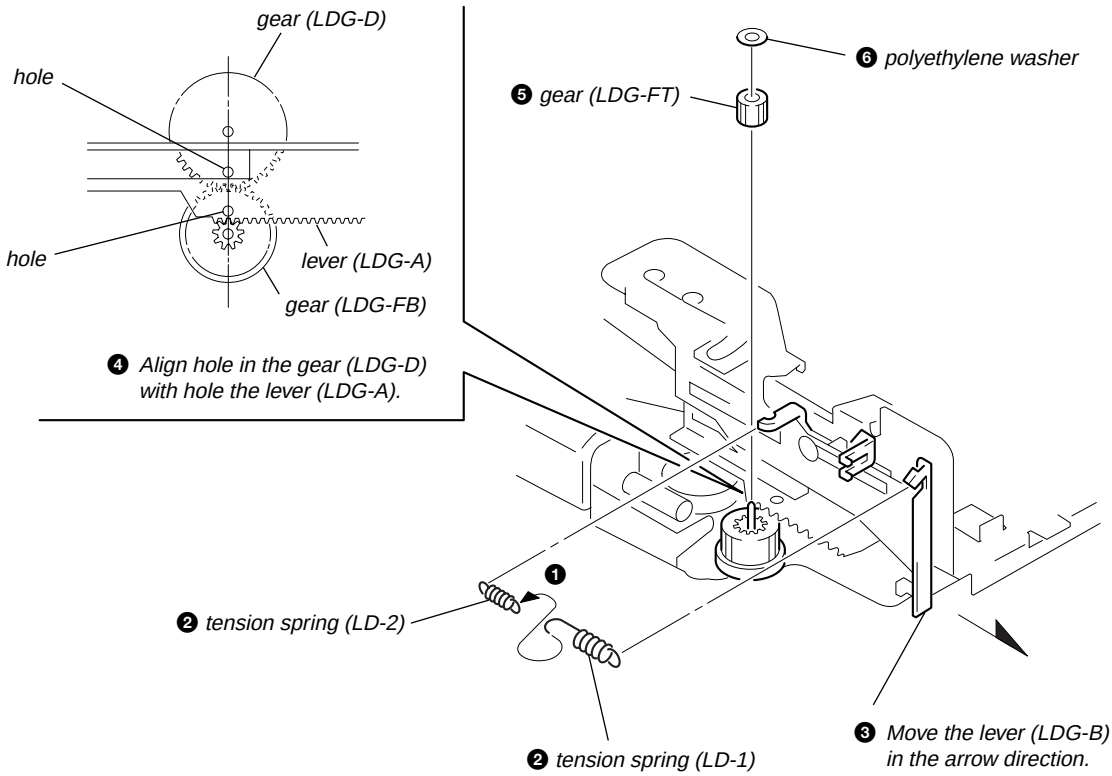
ARM (SUCTION)



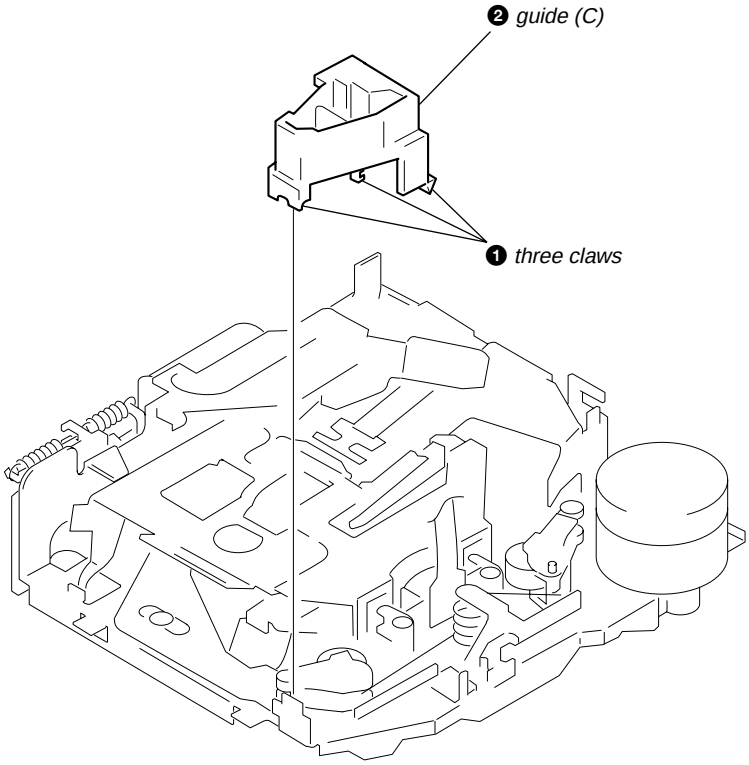
LEVER (LDG-A) / (LDG-B)


shaft Ⓐ
shaft Ⓑ
shaft Ⓒ
❶ Fit the lever (LDG-A) on shafts Ⓐ – Ⓒ and install it.
shaft Ⓐ
shaft Ⓑ
❸ type-E stop ring 2.0
❷ Fit the lever (LDG-B) on shafts Ⓐ and Ⓑ and install it.

GEAR (LDG-FT)



GUIDE (C)



SECTION 4
MECHANICAL ADJUSTMENTS

1. Clean the following parts with a denatured-alcohol-moistened swab:
   playback head pinch roller
   rubber belt capstan
   idlers
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the power supply voltage unless otherwise noted.

• Torque Measurement

Mode	Torque Meter	Meter Reading
Forward	CQ-102C	30 - 65 g•cm (0.42 - 0.90 oz•inch)
Forward Back Tension	CQ-102C	0.5 - 4.5 g•cm (0.01 - 0.06 oz•inch)
Reverse	CQ-102RC	30 - 65 g•cm (0.42 - 0.90 oz•inch)
Reverse Back Tension	CQ-102RC	0.5 - 4.5 g•cm (0.01 - 0.06 oz•inch)
FF, REW	CQ-201B	60 - 200 g•cm (0.83 - 2.78 oz•inch)

• Tape Tension Measurement

Mode	Tension Meter	Meter Reading
Forward	CQ-403A	more than 90 g (more than 3.18 oz)
Reverse	CQ-403R	more than 90 g (more than 3.18 oz)

SECTION 5
ELECTRICAL ADJUSTMENTS

TEST MODE

This set have the test mode function. In the test mode, FM Auto Scan/Stop Level and MW Auto Scan/Stop Level adjustments can be performed easier than it in ordinary procedure.

<Set the Test Mode>
1. Set the "power select" switch (S501) is "A (ON)" position.
2. Turn ON the regulated power supply. (All LEDs on the set lights up, and the clock is displayed.)
   Note: Press the [OFF] button, if the clock is not displayed.
3. Push the preset [4] button.
4. Push the preset [5] button.
5. Press the preset [1] button for more than two seconds.
6. Then the display indicates all lights, the test mode is set.

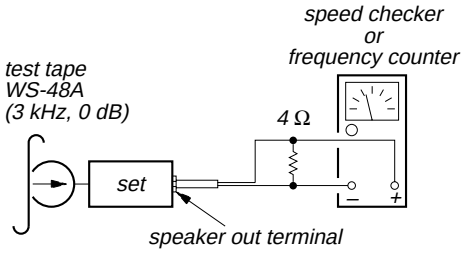
<Release the Test mode>
1. Push the [OFF] button.
2. Return the "power select" switch (S501) to initially set position.

See the adjustment location from on page 16 for the adjustment.

TAPE DECK SECTION | 0 dB=0.775 V

Tape Speed Adjustment

Setting:



Procedure:
1. Put the set into the FWD PB mode.
2. Adjust adjustment resistor for inside capstan motor so that the reading on the speed checker or frequency counter becomes in specification.

Specification: Constant speed

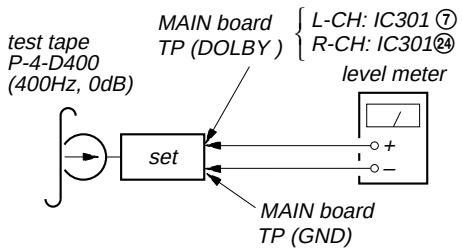
Speed checker	Frequency counter
–1.5 to +2.5%	2,955 to 3,075 Hz

Adjustment Location: See page 16.

Dolby Level Adjustment

Setting:

Preset [3] (DOLBY) button	:	NR OFF
SEL (BAS) button	:	Center
SEL (TRE) button	:	Center
SEL (BAL) button	:	Center
SEL (FAD) button	:	Center
SEL (VOL) button	:	Maximum
D-BASS control	:	OFF



Procedure:

1. Put the set into the FWD PB mode.
2. Adjust RV231 (L-CH) and RV131 (R-CH) so that the level meter reading is –6±0.5 dB (0.37 to 0.41 V).

Adjustment Location: See page 16.

TUNER SECTION (E model only)

XR-C6100 US/Canadian model, a tuner section is no adjustment.

0 dB=1 µV

Cautions during repair

When the tuner unit is defective, replace it by a new one because its internal block is difficult to repair.

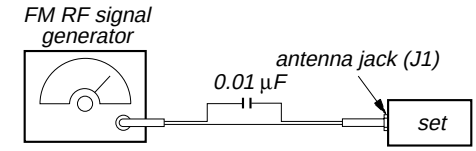
Note: Adjust the tuner section in the sequence shown below.

1. FM Auto Scan/Stop Level Adjustment
2. FM Noise Focus Adjustment
3. FM Stereo Separation Adjustment
4. MW Auto Scan/Stop Level Adjustment

FM Auto Scan/Stop Level Adjustment

Setting:

[SOURCE] button: FM
FREQUENCY SELECT switch: FM200 k

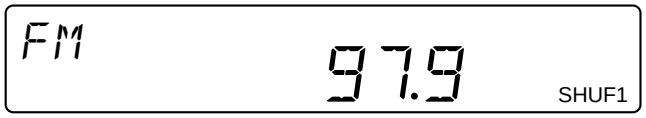


Carrier frequency : 97.9 MHz
Output level : 22 dB (12.6 µV)
Mode : mono
Modulation : 1 kHz, 75 kHz deviation

Procedure:

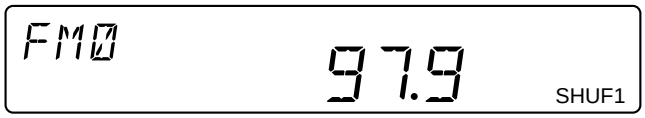
1. Set to the test mode. (See page 13.)
2. Push the [SOURCE] button and set to FM.

Display



3. Adjust with the volume RV2 on TU1 so that the "FM" indication turns to "FM0" indication on the display window.
   But, in case of already indicated "FM0", turn the RV2 so that put out light "0" indication and adjustment.

Display

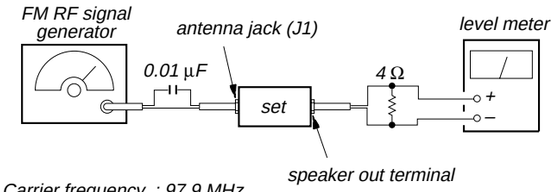


Adjustment Location: See page 16.

FM Noise Focus Adjustment

Setting:

SOURCE button : FM
FREQUENCY SELECT switch : FM 200 k



Carrier frequency : 97.9 MHz
Output level : 60 dB (1 mV)
Mode : mono
Modulation : 1 kHz, 75 kHz deviation (100%)

Procedure:

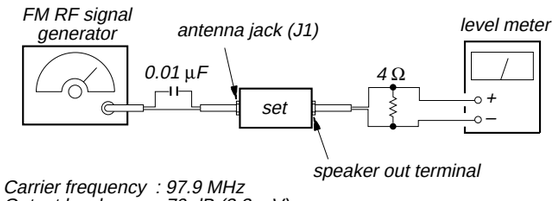
1. Tune the 97.9 MHz.
2. The then output level is supposing that (A) dB.
3. Adjust with the volume RV3 on TU1 so that the output level is (A) –32 dB then signal generator input set to –20 dB.

Adjustment Location: See page 16.

FM Stereo Separation Adjustment

Setting:

SOURCE button : FM
FREQUENCY SELECT switch : FM 200 k



Carrier frequency : 97.9 MHz
Output level : 70 dB (3.2 mV)
Mode : stereo
Modulation : main: 1 kHz, 33.75 kHz deviation (45%)
sub: 1 kHz, 33.75 kHz deviation (45%)
19 kHz pilot: 7.5 kHz deviation (10%)

Procedure:

FM Stereo signal generator output channel	Level meter connection	Level meter reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RV4 on TU1 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RV4 on TU1 for minimum reading.

L-CH Stereo separation: Ⓐ-Ⓑ
R-CH Stereo separation: Ⓒ-Ⓓ
The separations of both channels should be equal.

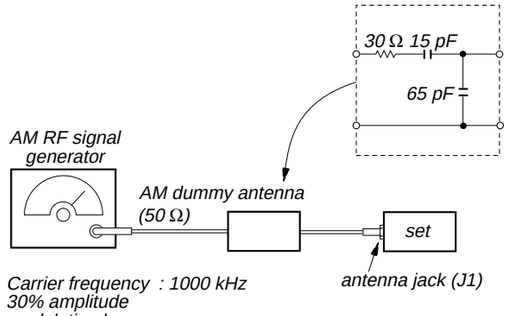
Specification: Separation more than 30 dB

Adjustment Location: See page 16.

MW Auto Scan/Stop Level Adjustment

Setting:

SOURCE and MODE button : MW
FREQUENCY SELECT switch : MW 10 k

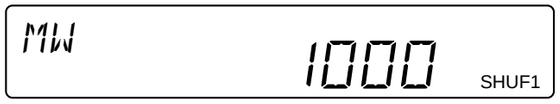


Carrier frequency : 1000 kHz
30% amplitude modulation by 1 kHz signal
Output level : 33 dB (44.7 µV)

Procedure:

1. Set to the test mode. (See page 13.)
2. Push the SOURCE button and set to FM.
3. Push the MODE button and set to MW.

Display



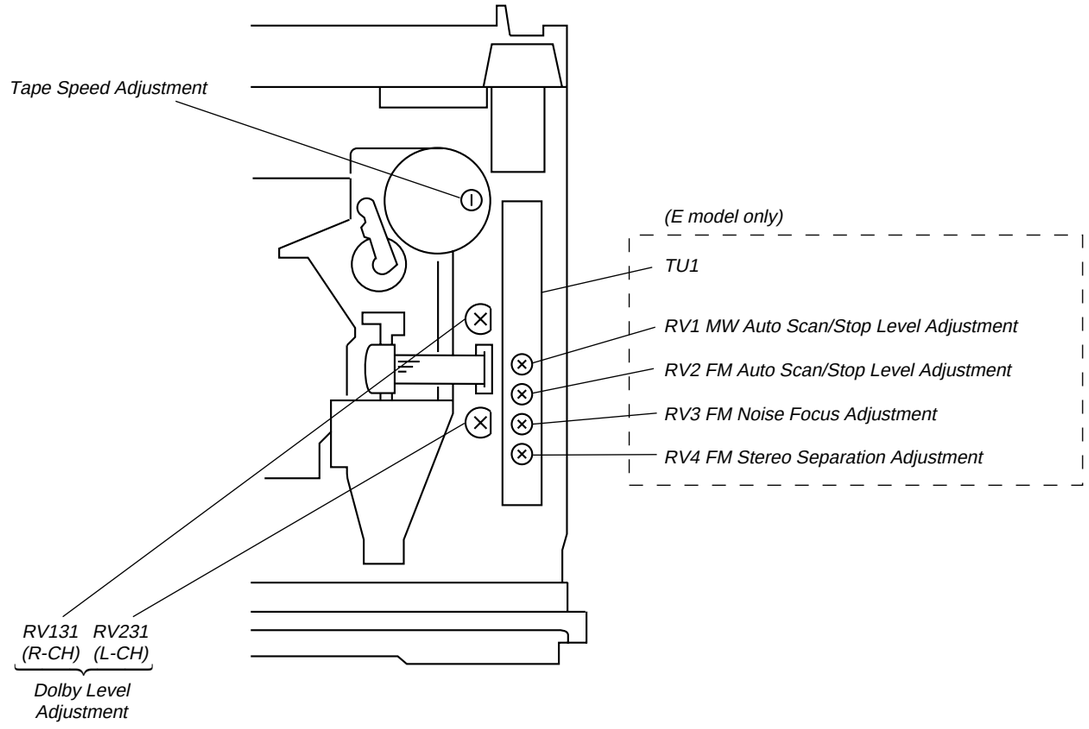
4. Adjust with the volume RV1 on TU1 so that the "MW" indication turns to "MW0" indication on the display window.
   But, in case of already indicated "MW0", turn the RV1 so that put out light "0" indication and adjustment.

Display

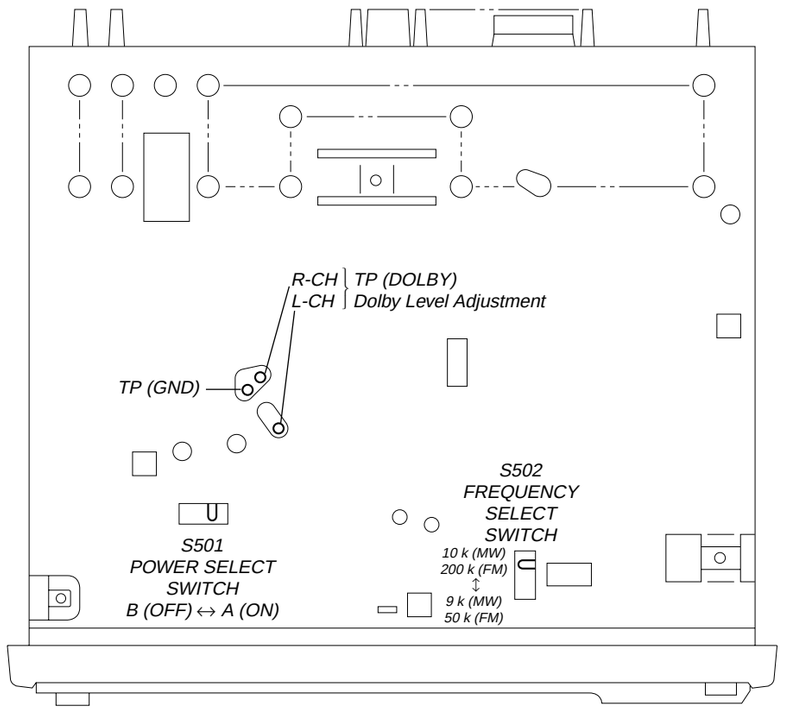
Adjustment Location: See page 16.

Adjustment Location:

– SET UPPER VIEW –

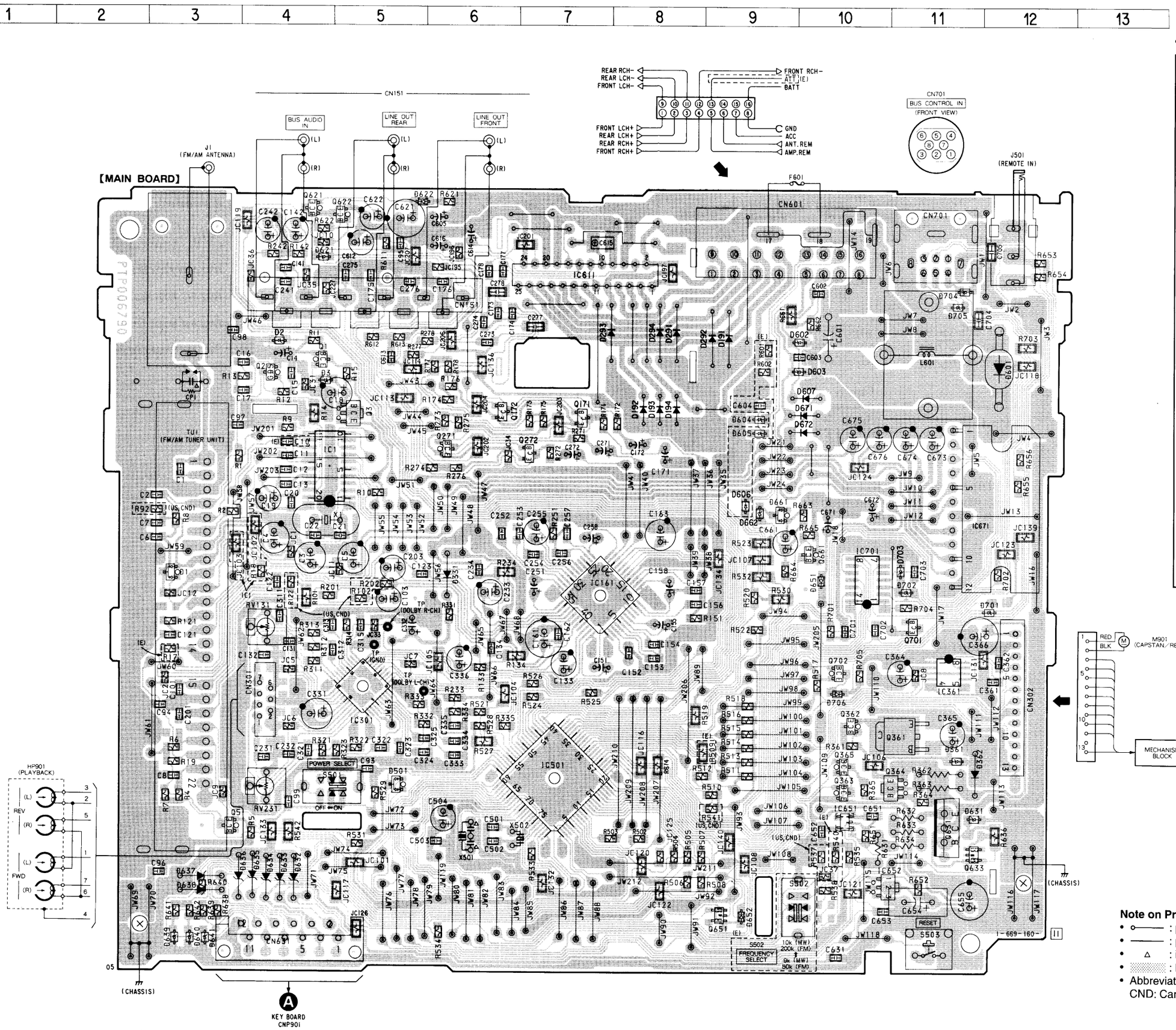

Tape Speed Adjustment
(E model only)
TU1
RV1 MW Auto Scan/Stop Level Adjustment
RV2 FM Auto Scan/Stop Level Adjustment
RV3 FM Noise Focus Adjustment
RV4 FM Stereo Separation Adjustment
RV131 (R-CH) RV231 (L-CH)
Dolby Level Adjustment

– SET BUTTON VIEW –



SECTION 6
DIAGRAMS

6-1. PRINTED WIRING BOARD – MAIN Section –



• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D1	F-3	D672	E-10
D2	D-4	D701	G-12
D3	D-4	D702	G-11
D191	D-9	D703	F-11
D192	E-8	D704	C-11
D193	E-8	D705	D-11
D194	E-8	D706	H-10
D291	D-8		
D292	D-9	IC1	E-4
D293	D-7	IC161	G-7
D294	D-8	IC301	H-5
D331	F-6	IC361	G-11
D361	H-11	IC501	I-7
D362	H-11	IC611	C-7
D501	I-5	IC651	I-10
D601	D-12	IC652	J-10
D602	D-10	IC671	F-11
D603	D-10	IC701	F-10
D604	E-9		
D605	E-9	Q1	D-4
D606	F-9	Q2	D-4
D607	D-10	Q3	E-5
D621	C-4	Q5	I-3
D622	B-5	Q171	E-7
D631	I-11	Q172	E-6
D632	J-4	Q271	E-6
D633	J-4	Q272	E-7
D634	J-4	Q361	H-11
D635	J-4	Q362	H-10
D636	J-4	Q363	I-10
D637	J-3	Q364	I-11
D638	J-3	Q365	H-10
D639	J-3	Q621	B-4
D640	J-3	Q622	C-5
D641	J-3	Q631	I-11
D651	F-10	Q633	I-11
D652	J-9	Q651	J-9
D661	F-9	Q661	F-10
D662	F-9	Q701	G-11
D671	E-10	Q702	G-10

Note on Printed Wiring Board:

- o——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- △ : internal component.
- ▒▒▒ : Pattern from the side which enables seeing.
- Abbreviation
  CND: Canadian model.

【MAIN BOARD】

IC1 FM/AM PLL

IC161 ELECTRICAL VOLUME

IC611 POWER AMP

IC301 TAPE EQUALIZER AMP, DOLBY NR AMP

IC501 SYSTEM CONTROL

IC361 LOAD/AUTO REVERSE/ MOTOR DRIVER

IC651 RAM RESET

IC652 RESET SIGNAL GENERATOR

IC671 REGULATOR

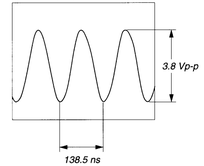
IC701 BUS INTERFACE (FOR SONY BUS)

Note on Schematic Diagram:

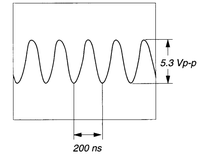
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.
- B+ : B+ Line.
- ▭ : adjustment for repair.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
  (( )) : TAPE PLAYBACK
  * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : AM
  ⇨ : TAPE PLAYBACK
- Abbreviation
  CND : Canadian model.

• Waveforms

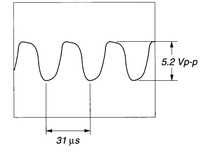
❶ IC1 ① (XO)



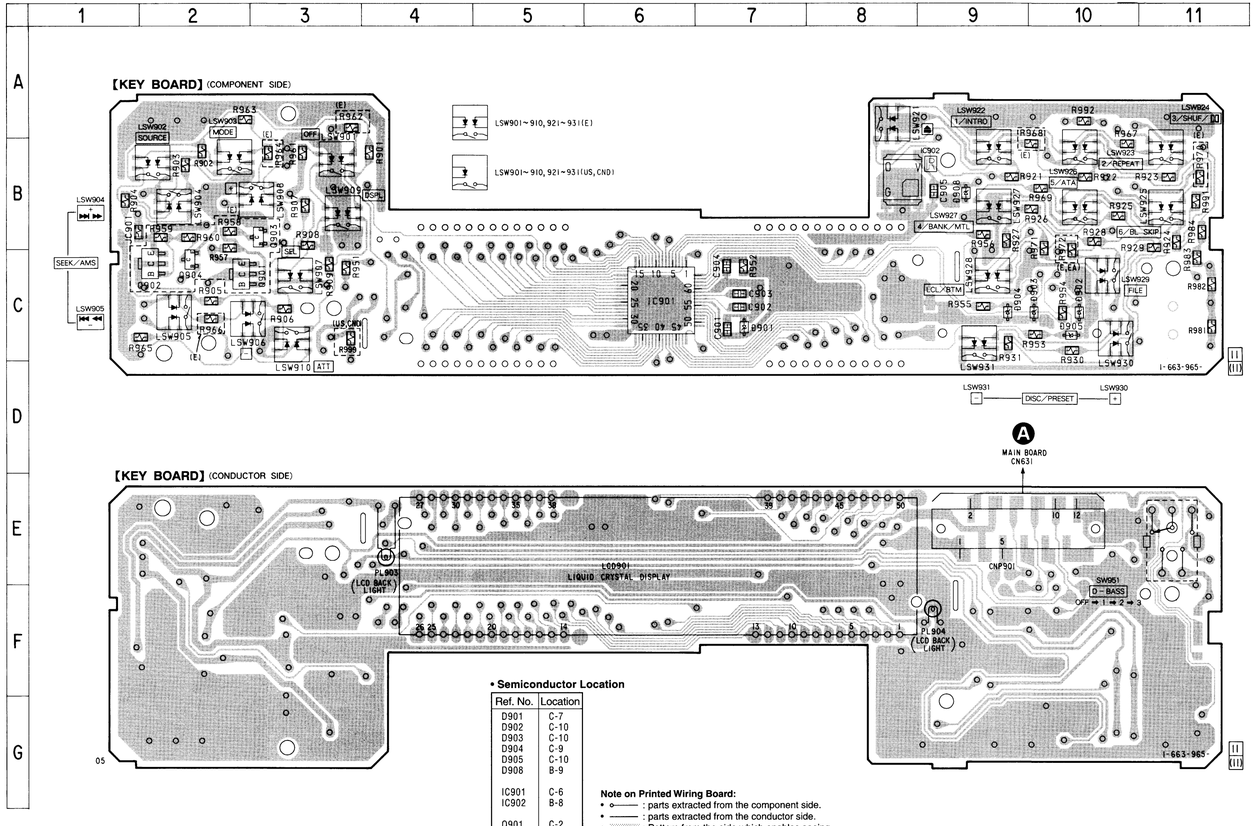
❷ IC501 ㉘ (OSCOUT)



❸ IC501 ⑦② (XT_OUT)



6-3. PRINTED WIRING BOARD – PANEL Section –

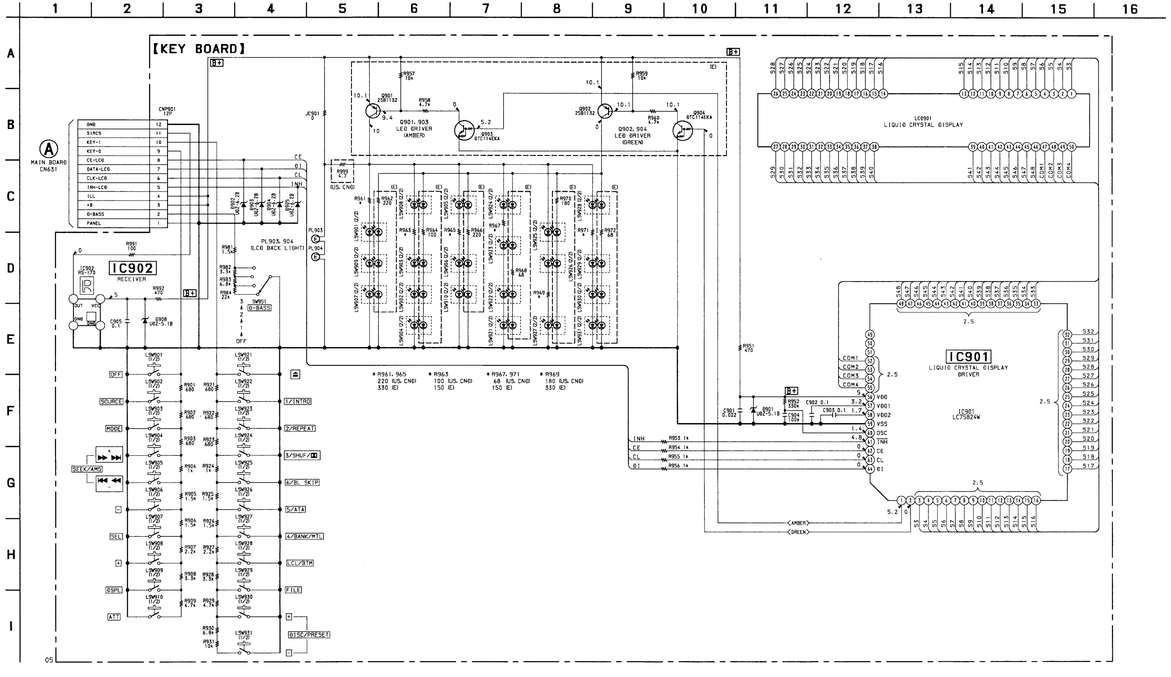


• Semiconductor Location

Ref. No.	Location
D901	C-7
D902	C-10
D903	C-10
D904	C-9
D905	C-10
D908	B-9
IC901	C-6
IC902	B-8
Q901	C-2
Q902	C-2
Q903	B-3
Q904	C-2

Note on Printed Wiring Board:
- ⟐——: parts extracted from the component side.
- ——: parts extracted from the conductor side.
- ▨: Pattern from the side which enables seeing. (The other layers' patterns are not indicated.)
- Abbreviation
  CND: Canadian model.

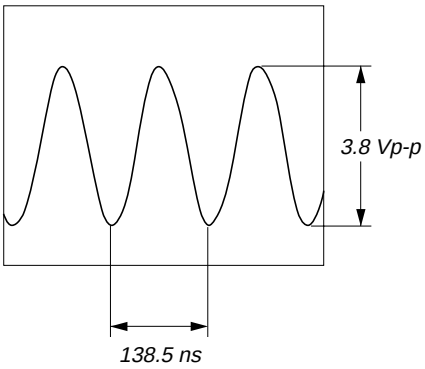
6-4. SCHEMATIC DIAGRAM – PANEL Section –



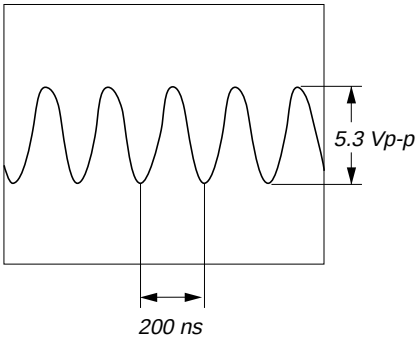
Note on Schematic Diagram:
- All capacitors are in µF unless otherwise noted. pF: µµF
  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▭: panel designation.
- B+: B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  CND : Canadian model.

• Waveforms

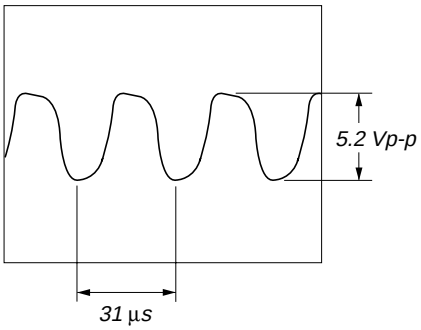
❶ IC1 ① (XO)



❷ IC501 ㊾ (OSCOUT)

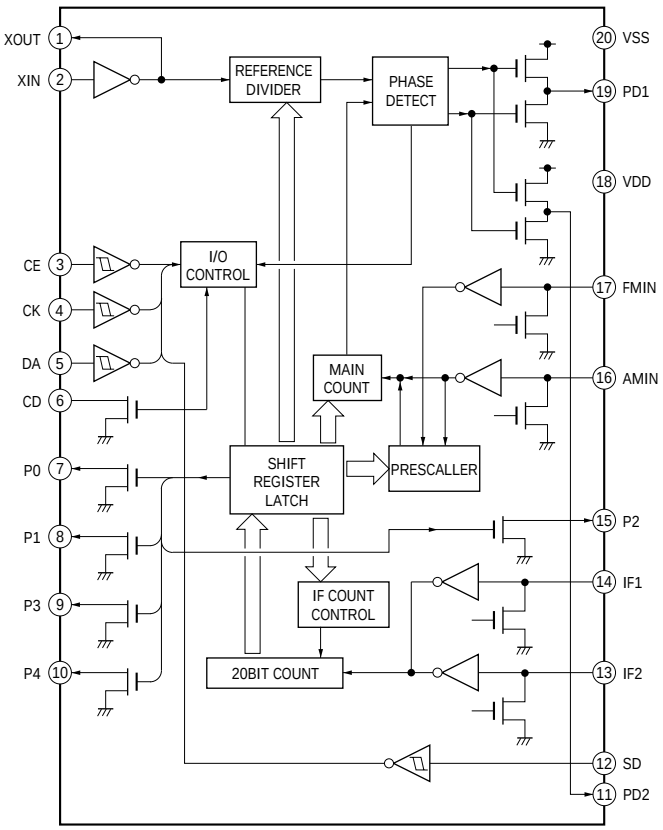


❸ IC501 ㉜ (XT_OUT)

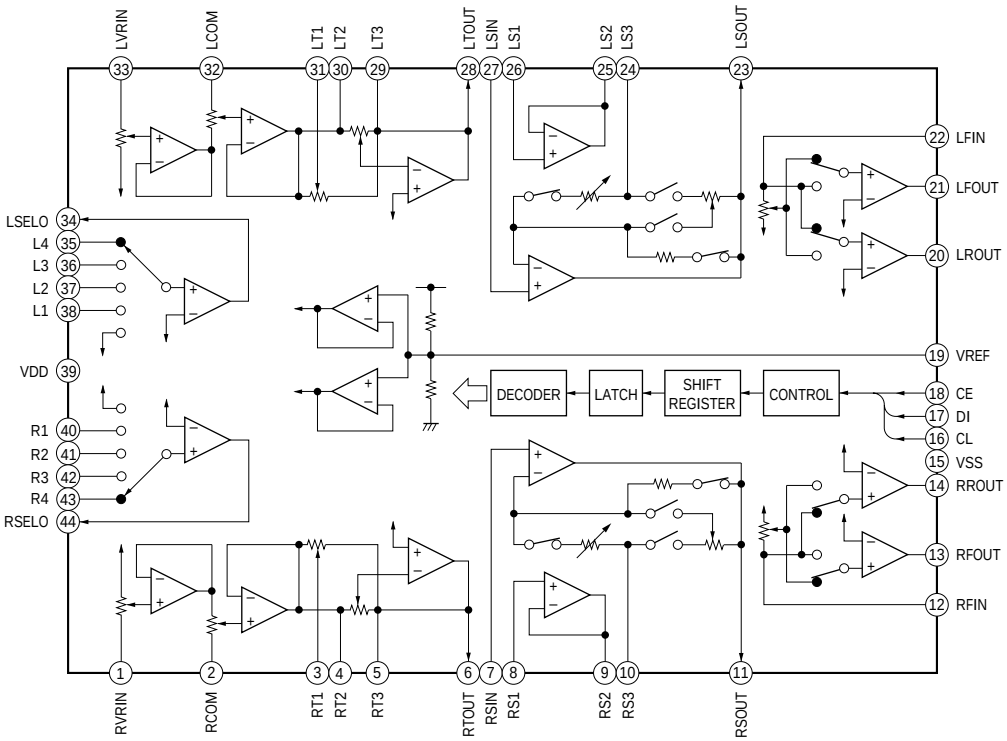


• IC Block Diagrams
– MAIN BOARD –

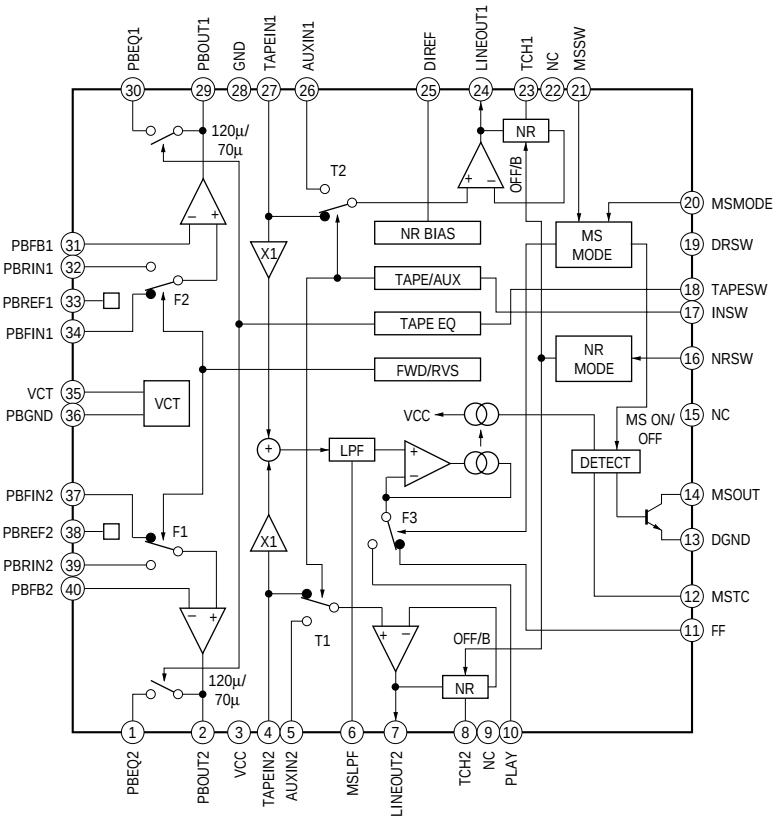
IC1 BU2624F-E2



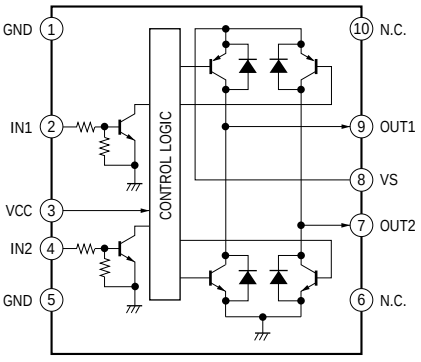
IC161 LC75373ED



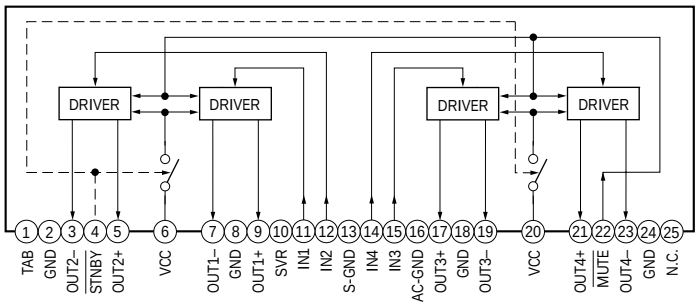
IC301 CXA2510AQ-T4



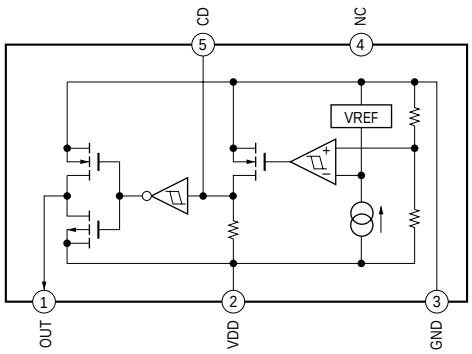
IC361 LB1638M



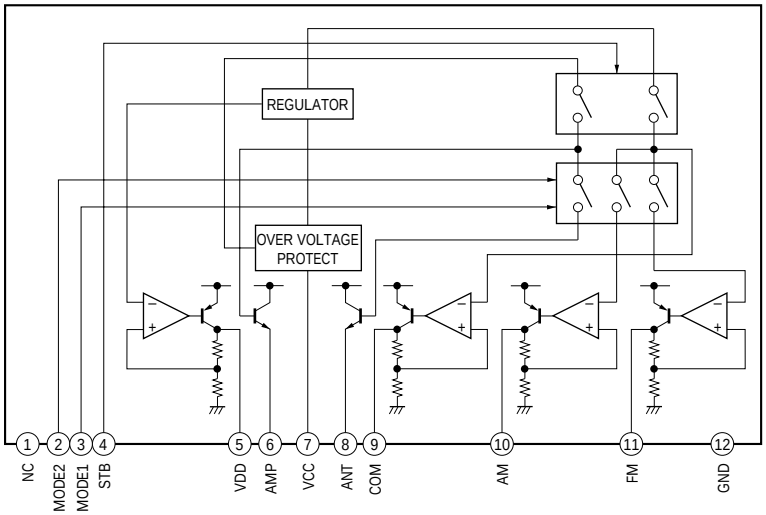
IC611 TDA7384



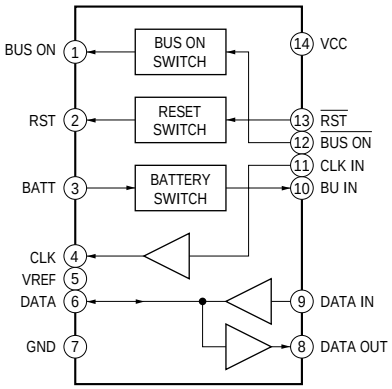
IC651 RN5VD23AA-TL



IC671 BA3918-V2



IC701 BA8270F-E2



6-5. IC PIN FUNCTION DESCRIPTION

• MAIN BOARD IC501 μPD78058GC-F58-3B9 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Function
1	DSEL	I	Destination setting terminal US, Canadian models: fixed at center voltage, E mode: frequency select switch (S502) input "L": AM 9k step or FM 50k step, "H": AM 10k step or FM 220k step
2	RC IN0	I	Rotary remote commander shift key A/D input terminal
3	SD IN	I	Station detector detect input from the FM/AM tuner unit (TU1) Stop level for SEEK, BTM, etc. is determined SD is present at input of "H"
4	AVSS	—	Ground terminal (for A/D converter)
5	$\overline{\text{ST}}$	I/O	Input of FM stereo detection signal from FM/AM tuner unit (TU1), and output of forced monaural control signal to FM/AM tuner unit (TU1) (Commonly used for stereo display input and forced monaural output) FM stereo detection at input of "L", forced monaural at output of "L"
6	PLLCE	O	PLL serial chip enable output to the FM/AM PLL (IC1)
7	AVREF1	I	Reference voltage (+5V) input terminal (for D/A converter)
8	PLLSI	I	PLL serial data input from the FM/AM PLL (IC1)
9	PLLSO	O	PLL serial data output to the FM/AM PLL (IC1)
10	PLLCKO	O	PLL serial data transfer clock signal output to the FM/AM PLL (IC1)
11	P-STIN	I	Polar stereo signal input terminal Not used (fixed at "H")
12	LCDSO	O	Serial data output to the liquid crystal display driver (IC901)
13	LCDCKO	O	Serial data transfer clock signal output to the liquid crystal display driver (IC901)
14	LCDCE	O	Chip enable output to the liquid crystal display driver (IC901)
15	$\overline{\text{LCDINH}}$	O	Blank indicate control signal output to the liquid crystal display driver (IC901) "L": no display
16	UNISI	I	Serial data input from the bus interface (IC701) (for SONY bus)
17	UNISO	O	Serial data output to the bus interface (IC701) (for SONY bus)
18	UNICKI	I	Serial data reading clock signal input terminal (for SONY bus)
19	UNICKO	O	Serial data transfer clock signal output to the bus interface (IC701) (for SONY bus)
20	$\overline{\text{BUSON}}$	O	Bus on/off control signal output to the bus interface (IC701) (for SONY bus) "L": bus on
21	$\overline{\text{SYSRST}}$	O	Reset signal output to the bus interface (IC701) (for SONY bus) "L": reset
22	AMPON	O	Standby control signal output to the power amplifier (IC611) "L": standby
23	$\overline{\text{AMP MUT}}$	O	Muting control signal output to the power amplifier (IC611) "L": muting on
24	TUNON	O	Tuner system power supply on/off control signal output to the BA3918 (IC671) "H": tuner on
25	FM ON	O	FM system power supply on/off control signal output to the BA3918 (IC671) "H": FM on
26	PW ON	O	Main system power supply on/off control signal output to the BA3918 (IC671) "H": power on
27	COLOR	I	Input terminal to set whether the illumination color change function is present or not "L": illumination color change function is present US, Canadian models: fixed at "H", E model: fixed at "L"
28	$\overline{\text{AMSON}}$	O	Tape auto music sensor control signal output to the CXA2510Q (IC301) "L" is output to lower the gain for audio level at FF/REW
29	REL	I	Reel table rotation detect signal input from the take-up and supply reel sensor
30	$\overline{\text{MTLIN}}$	I	Input terminal to set whether the auto metal function is present or not "L": auto metal function is present Not used this function in this set (fixed at "H")
31	POS3	I	Tape position detect input from the tape operation switch on the mechanism block
32	POS2	I	
33	GND	—	Ground terminal
34	POS0	I	Tape position detect input from the tape operation switch on the mechanism block
35	POS1	I	

Pin No.	Pin Name	I/O	Function
36	LM LOD	O	Loading/tape operation motor control signal output to the LB1638M (IC361) (For the loading direction and forward side operation) *1
37	LM EJ	O	Loading/tape operation motor control signal output to the LB1638M (IC361) (For the eject direction and reverse side operation) *1
38	$\overline{\text{N}}$/R OUT	O	Forward/reverse direction control signal output to the CXA2510Q (IC301) "L: forward direction, "H": reverse direction
39	P.ON	O	Polar stereo detection signal output terminal "H": polar stereo Not used (open)
40	CM ON	O	Capstan/reel motor (M901) drive signal output terminal "H": motor on
41	TAPEON	O	Tape system power supply on/off control signal output terminal "H": tape on
42	COLSEL	I	Setting terminal for the illumination color "L": amber, "H": green (fixed at "H")
43	RC IN1	I	Rotary remote commander shift key A/D input terminal
44	$\overline{\text{TEST}}$	I	Setting terminal for the test mode "L": test mode (normally fixed at "H")
45	ILL ON	O	Power supply on/off control signal output terminal at the illumination and liquid crystal display driver (IC901) "H": power on At power select switch (S501) on mode: "H" output at the accessory on At power select switch (S501) off mode: "H" output at the power on
46	BEEP	O	Beep sound output terminal
47	MUT	O	Line muting control signal output terminal "H": line muting on
48	VOLCE	O	Chip enable signal output to the electrical volume (IC161)
49	SUBCE	O	Chip enable signal output terminal Not used in this set (open)
50	VOLCKO	O	Serial data transfer clock signal output to the electrical volume (IC161)
51	SUBCKO	O	Serial data transfer clock signal output terminal Not used in this set (open)
52	VOLSO	O	Serial data output to the electrical volume (IC161)
53	TAPMUT	O	Tape muting on/off control signal output to the CXA2510Q (IC301) "H": tape muting on
54	DOLON	I/O	Dolby control in/out terminal At initial mode: valid/invalid selection input of dolby function ("L" input: valid) At normal mode: dolby on/off control signal output to the CXA2510Q (IC301) "H": dolby on
55	DOLBC	I/O	Dolby B/C selection control in/out terminal At initial mode: dolby B only/dolby B and C type selection input ("L" input: dolby B and C) At normal mode: dolby type selection signal output "L": dolby B, "H": dolby C Not used this function (fixed at "H")
56	$\overline{\text{AMSIN}}$	I	Whether a music is present or not from CXA2510Q (IC301) is detected at auto music sensor "L": music is present, "H": music is not present
57	MTLSEL	I/O	METAL control in/out terminal At initial mode: auto/manual mode selection input of METAL function "L": manual mode At manual mode: METAL on/off control signal output to the CXA2510Q (IC301) "H": METAL on At auto mode: input at $\overline{\text{MTLIN}}$ (pin ㉚)
58	$\overline{\text{AD ON}}$	O	Power supply on/off control signal output for the A/D converter "L": power on
59	RAMBU	I	Internal RAM reset detection signal input from the RN5VD23AA (IC651) Input terminal to check that RAM data are not destroyed due to low voltage This checking is made within 100 msec after reset
60	$\overline{\text{RESET}}$	I	System reset signal input from the reset signal generator (IC652) "L" is input for several 100 msec after power on, then it changes to "H"
61	SIRCS	I	Sircs signal input from the remote control receiver (IC902)
62	BU IN	I	Battery detect signal input terminal "H": battery on
63	PW SEL	I	Power select switch (S501) input terminal "L": off (halt mode), "H": on (operation mode)
64	$\overline{\text{ACCIN}}$	I	Accessory detect signal input terminal "L": accessory on
65	$\overline{\text{NOSESW}}$	I	Detects the removal of the attaching and removing type front panel block "L": attaching

Pin No.	Pin Name	I/O	Function
66	$\overline{\text{TELMUT}}$	I	Telephone muting signal input terminal At input of "L", the signal is attenuated by –20 dB Used for E model only
67	KEYACK	I	Input of acknowledge signal for the key entry Acknowledge signal is input to accept function and eject keys in the power off status On at input of "H"
68	VDD	—	Power supply terminal (+5V)
69	X OUT	O	Main system clock output terminal (5 MHz)
70	X IN	I	Main system clock input terminal (5 MHz)
71	GND	—	Ground terminal
72	XT OUT	O	Sub system clock output terminal (32.768 kHz)
73	XT IN	I	Sub system clock input terminal (32.768 kHz)
74	AVDD	—	Power supply terminal (+5V) (for A/D converter)
75	AVREF0	I	Reference voltage input terminal (+5V) (for A/D converter)
76	KEYIN0	I	Key input terminal (A/D input) OFF, SOURCE, MODE ◀II▶, + ▶▶ ▶▶I SEEK AMS, – I◀◀ ◀◀ SEEK AMS, VOLUME –, SEL, VOLUME +, DSPL, ATT keys input (LSW901 to LSW910)
77	KEYIN1	I	Key input terminal (A/D input) ⏏, INTRO 1, REPEAT 2, SHUF/□□ 3, BL SKIP 6, ATA 5, BANK/MTL 4, BTM LCL, FILE, PRESET DISC +/– keys input (LSW921 to LSW931)
78	D.BASS	I	D-BASS switch (SW951) input (A/D input)
79	VSM	I	FM and AM signal meter voltage detection input from the FM/AM tuner unit (TU1)
80	KEYSEL	I	Setting terminal for the key (fixed at "L")

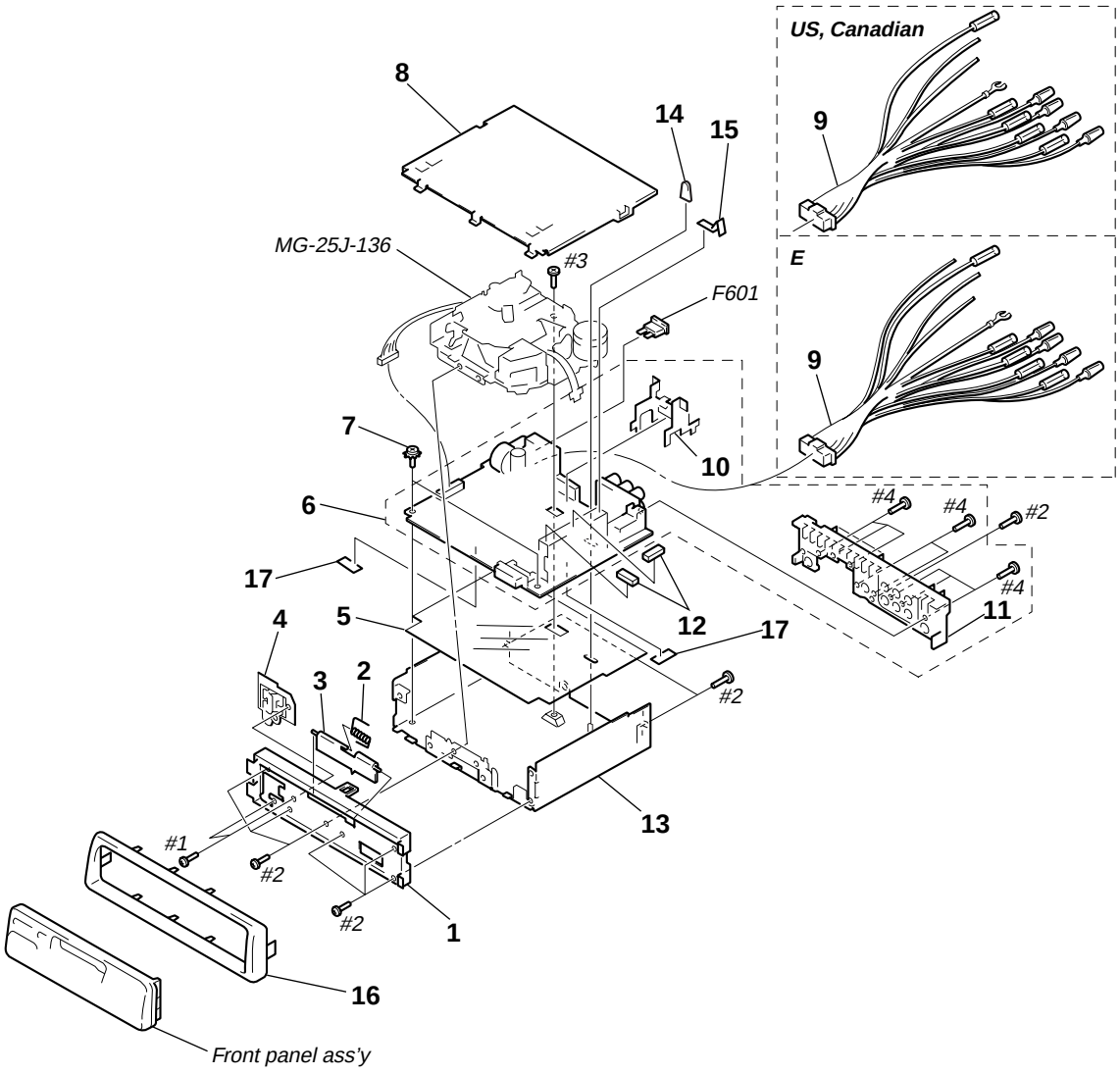
*1 loading/tape operation motor control

MODE / TERMINAL	STOP	LOADING/ FORWARD	EJECT/ REVERSE	BRAKE
LM LOD (pin ㊱)	"L"	"H"	"L"	"H"
LM EJ (pin ㊲)	"L"	"L"	"H"	"H"

SECTION 7
EXPLODED VIEWS

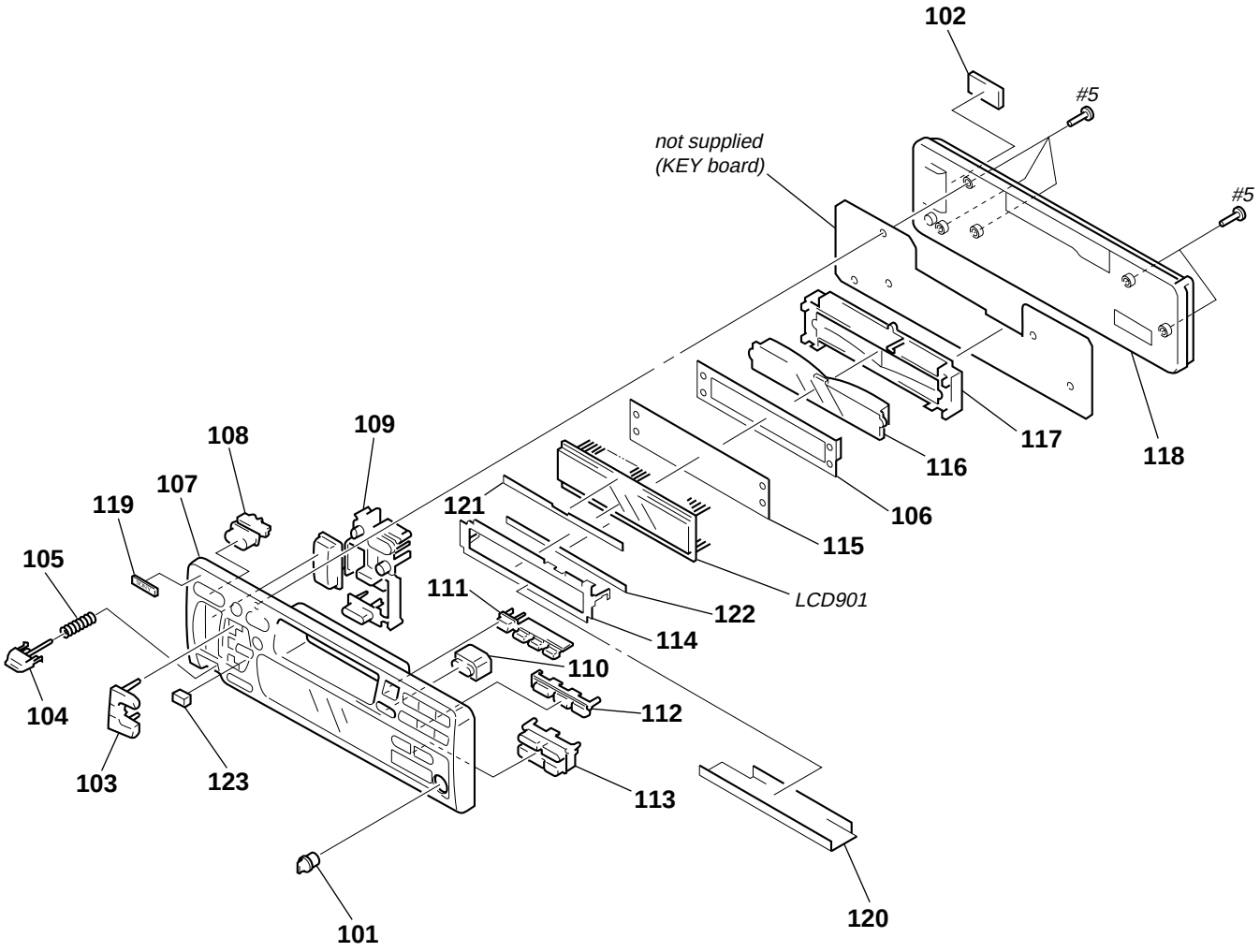
NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  CND: Canadian
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

(1) CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
1	3-018-383-01	PANEL, SUB	
2	3-935-003-01	SPRING, TORSION	
3	3-932-205-31	DOOR, CASSETTE (C6100: E)	
3	3-932-205-51	DOOR, CASSETTE (C6100: US, CND/C6100W)	
4	X-3367-636-1	LOCK ASSY	
* 5	3-013-247-01	SHEET, INSULATING	
* 6	A-3313-557-A	MAIN BOARD, COMPLETE (US, CND)	
* 6	A-3313-559-A	MAIN BOARD, COMPLETE (E)	
7	3-915-923-01	SCREW, GROUND POINT	
* 8	X-3373-269-1	COVER ASSY (ISO)	
9	1-776-207-31	CORD (WITH CONNECTOR) (POWER) (US, CND)	
9	1-776-207-81	CORD (WITH CONNECTOR) (POWER) (E)	
* 10	3-018-390-01	BRACKET (IC)	
* 11	3-018-389-01	HEAT SINK	
12	3-935-014-01	CUSHION (U)	
* 13	3-009-813-01	CHASSIS	
14	3-012-859-01	CAP (25), RUBBER	
15	3-937-650-01	PLATE (C), GROUND	
16	3-018-384-01	COLLAR (C6100)	
16	3-022-230-01	COLLAR (C6100W)	
17	3-015-663-01	SHEET (P), INSULATING	
F601	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A)	

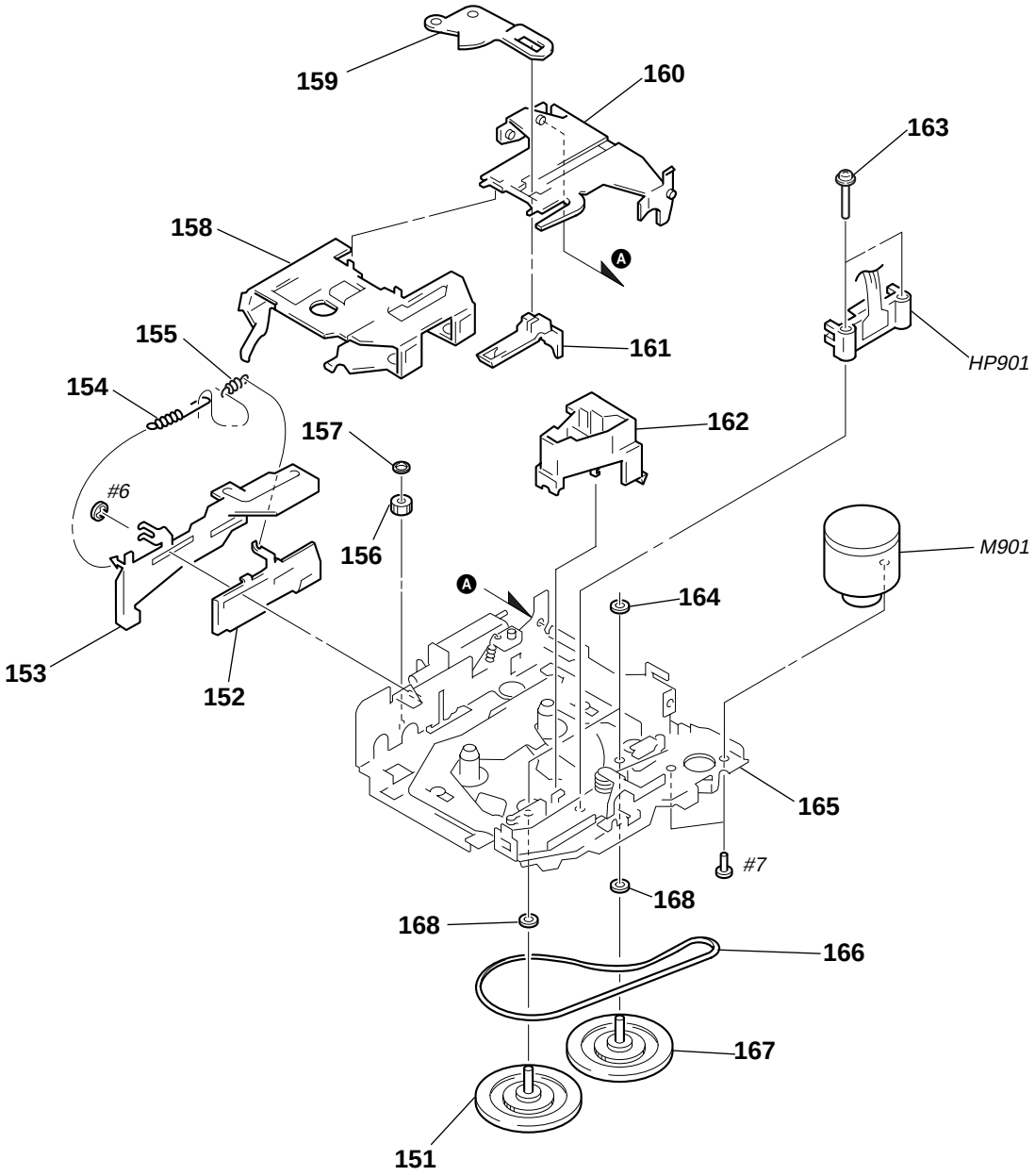
(2) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	3-018-799-01	BUTTON (D-BASS)	
* 102	3-015-037-01	CUSHION (BACK PANEL)	
103	3-016-932-01	BUTTON (L) (2) (+. –)	
104	3-009-304-01	BUTTON (RELEASE)	
105	3-932-475-01	SPRING (RELEASE)	
* 106	3-019-149-01	PLATE, LCD	
107	X-3375-274-1	PANEL SUB ASSY (C6100)	
107	X-3375-660-1	PANEL SUB ASSY (C6100W)	
108	3-009-300-01	BUTTON (SOURCE)	
109	3-018-658-01	BUTTON (L) (+ ▶▶I ▶▶. SEEK AMS. I◀◀ ◀◀ –. ●. OFF. ●. SEL. ATT)	
110	3-022-459-01	LENS	
111	3-016-933-01	BUTTON (1-3) (⏏. 1. 2. 3)	

Ref. No.	Part No.	Description	Remark
112	3-016-931-11	BUTTON (4-6) (4. 5. 6)	
113	3-016-935-01	BUTTON (R) (L) (LCL. FILE. –. DISC. +)	
* 114	3-010-282-01	PLATE (LCD), GROUND	
* 115	3-019-150-01	SHEET (REFLECTOR)	
* 116	3-018-612-01	PLATE, LIGHT GUIDE	
* 117	3-018-611-01	HOLDER (LCD)	
118	3-022-222-01	PANEL, FRONT BACK	
119	3-904-194-01	EMBLEM (NO. 2.5), SONY	
* 120	3-014-867-01	SHEET (ESD)	
* 121	3-024-391-01	SHEET (LCD)	
* 122	3-024-846-01	SHEET (LCD) B	
123	3-014-894-01	CUSHON (L2)	
LCD901	1-801-968-61	DISPLAY PANEL, LIQUID CRYSTAL	

(3) MECHANISM DECK SECTION (MG-25J-136)



Ref. No.	Part No.	Description	Remark
151	A-3291-667-A	CLUTCH (FR) ASSY	-
* 152	3-019-130-01	LEVER (LDG-A)	
* 153	3-019-131-01	LEVER (LDG-B)	
154	3-020-539-01	SPRING (LD-1), TENSION	
155	3-020-540-01	SPRING (LD-2), TENSION	
156	3-020-542-01	GEAR (LOADING FT)	
157	3-341-753-11	WASHER, POLYETHYLENE	
158	3-020-533-01	HOUSING	
* 159	3-020-532-01	ARM (SUCTION)	
160	3-020-534-01	HANGER	
161	3-933-346-01	CATCHER	
162	3-933-344-01	GUIDE (C)	
163	3-014-798-01	SCREW (HEAD), SPECIAL	
164	3-364-151-01	WASHER	
165	A-3301-267-A	CHASSIS ASSY (G)	
166	3-017-302-01	BELT (25)	
167	3-936-853-01	FLYWHEEL (F)	
168	3-701-437-21	WASHER	
HP901	1-500-411-11	HEAD, MAGNETIC (PLAYBACK)	
M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)	

KEY

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- Abbreviation
  CND: Canadian

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
		KEY BOARD			
		**********			
*	3-018-611-01	HOLDER (LCD)			
*	3-018-612-01	PLATE, LIGHT GUIDE			
*	3-019-149-01	PLATE, LCD			
*	3-019-150-01	SHEET (REFLECTOR)			
		< CAPACITOR >			
C901	1-163-033-00	CERAMIC CHIP	0.022uF		50V
C902	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C903	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C904	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C905	1-163-038-00	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN901	1-764-423-11	PIN, CONNECTOR 12P			
		< DIODE >			
D901	8-719-976-99	DIODE DTZ5.1B			
D902	8-719-105-99	DIODE RD6.2M-B1			
D903	8-719-105-99	DIODE RD6.2M-B1			
D904	8-719-105-99	DIODE RD6.2M-B1			
D905	8-719-105-99	DIODE RD6.2M-B1			
D908	8-719-976-99	DIODE DTZ5.1B			
		< IC >			
IC901	8-759-365-90	IC LC75824W			
IC902	8-749-012-25	IC RS-170-TU			
		< SHORT >			
JC901	1-216-295-00	SHORT 0			
		< LIQUID CRYSTAL DISPLAY >			
LCD901	1-801-968-61	DISPLAY PANEL, LIQUID CRYSTAL			
		< SWITCH >			
LSW901	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (OFF)			(US, CND)
LSW901	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (OFF) (E)			
LSW902	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (SOURCE)			(US, CND)
LSW902	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (SOURCE)			(E)
LSW903	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (MODE)			(US, CND)
LSW903	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (MODE) (E)			
LSW904	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (+ ▶▶I ▶▶, SEEK/AMS) (US, CND)			
LSW904	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (+ ▶▶I ▶▶, SEEK/AMS) (E)			
LSW905	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (– I◀◀ ◀◀, SEEK/AMS) (US, CND)			
LSW905	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (– I◀◀ ◀◀, SEEK/AMS) (E)			
LSW906	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (–)			(US, CND)
LSW906	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (–) (E)			
LSW907	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (SEL)			(US, CND)
LSW907	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (SEL) (E)			
LSW908	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (+)			(US, CND)
LSW908	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (+) (E)			
LSW909	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (DSPL)			(US, CND)
LSW909	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (DSPL) (E)			
LSW910	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (ATT)			(US, CND)
LSW910	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (ATT) (E)			
LSW921	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (⏏)			(US, CND)
LSW921	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (⏏) (E)			
LSW922	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (1/INTRO)			(US, CND)
LSW922	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (1/INTRO)			(E)
LSW923	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (2/REPEAT)			(US, CND)
LSW923	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (2/REPEAT)			(E)
LSW924	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (3/SHUF/□□)			(US, CND)
LSW924	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (3/SHUF/□□)			(E)
LSW925	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (6/BL SKIP)			(US, CND)

Ref. No.	Part No.	Description	Remark
LSW925	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (6/BL SKIP)	(E)
LSW926	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (5/ATA)	(US, CND)
LSW926	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (5/ATA) (E)	
LSW927	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (4/BANK/MTL)	(US, CND)
LSW927	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (4/BANK/MTL)	(E)
LSW928	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (LCL/BTM)	(US, CND)
LSW928	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (LCL/BTM)	(E)
LSW929	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (FILE)	(US, CND)
LSW929	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (FILE) (E)	
LSW930	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (+, DISC/PRESET)	(US, CND)
LSW930	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (+, DISC/PRESET)	(E)
LSW931	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (–, DISC/PRESET)	(US, CND)
LSW931	1-762-620-11	SWITCH, KEY BOARD (WITH LED) (–, DISC/PRESET)	(E)
		< PILOT LAMP >	
PL903	1-517-633-21	LAMP, PILOT (LCD BACK LIGHT)	
PL904	1-517-633-21	LAMP, PILOT (LCD BACK LIGHT)	
		< TRANSISTOR >	
Q901	8-729-106-60	TRANSISTOR 2SB1115A (E)	
Q902	8-729-106-60	TRANSISTOR 2SB1115A (E)	
Q903	8-729-900-53	TRANSISTOR DTC114EK (E)	
Q904	8-729-900-53	TRANSISTOR DTC114EK (E)	
		< RESISTOR >	

Ref. No.	Part No.	Description			Remark
R901	1-216-045-00	METAL CHIP	680	5%	1/10W
R902	1-216-045-00	METAL CHIP	680	5%	1/10W
R903	1-216-045-00	METAL CHIP	680	5%	1/10W
R904	1-216-049-11	RES, CHIP	1K	5%	1/10W
R905	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R906	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R907	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R908	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R909	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R921	1-216-045-00	METAL CHIP	680	5%	1/10W
R922	1-216-045-00	METAL CHIP	680	5%	1/10W
R923	1-216-045-00	METAL CHIP	680	5%	1/10W
R924	1-216-049-11	RES, CHIP	1K	5%	1/10W
R925	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R926	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R927	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R928	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R929	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R930	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R931	1-216-073-00	METAL CHIP	10K	5%	1/10W
R951	1-216-041-00	METAL CHIP	470	5%	1/10W
R952	1-216-109-00	METAL CHIP	330K	5%	1/10W
R953	1-216-049-11	RES, CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R954	1-216-049-11	RES, CHIP	1K	5%	1/10W
R955	1-216-049-11	RES, CHIP	1K	5%	1/10W
R956	1-216-049-11	RES, CHIP	1K	5%	1/10W
R957	1-216-073-00	METAL CHIP	10K	5%	1/10W (E)
R958	1-216-065-00	METAL CHIP	4.7K	5%	1/10W (E)
R959	1-216-073-00	METAL CHIP	10K	5%	1/10W (E)
R960	1-216-065-00	METAL CHIP	4.7K	5%	1/10W (E)
R961	1-216-033-00	METAL CHIP	220	5%	1/10W (US, CND)
R961	1-216-037-00	METAL CHIP	330	5%	1/10W (E)
R962	1-216-033-00	METAL CHIP	220	5%	1/10W (E)
R963	1-216-025-00	RES, CHIP	100	5%	1/10W (US, CND)
R963	1-216-029-00	METAL CHIP	150	5%	1/10W (E)
R964	1-216-025-00	RES, CHIP	100	5%	1/10W (E)
R965	1-216-033-00	METAL CHIP	220	5%	1/10W (US, CND)
R965	1-216-037-00	METAL CHIP	330	5%	1/10W (E)
R966	1-216-033-00	METAL CHIP	220	5%	1/10W (E)
R967	1-216-021-00	RES, CHIP	68	5%	1/10W (US, CND)
R967	1-216-029-00	METAL CHIP	150	5%	1/10W (E)
R968	1-216-021-00	RES, CHIP	68	5%	1/10W (E)
R969	1-216-031-00	METAL CHIP	180	5%	1/10W (US, CND)
R969	1-216-037-00	METAL CHIP	330	5%	1/10W (E)
R970	1-216-031-00	METAL CHIP	180	5%	1/10W (E)
R971	1-216-021-00	RES, CHIP	68	5%	1/10W (US, CND)
R971	1-216-029-00	METAL CHIP	150	5%	1/10W (E)
R972	1-216-021-00	RES, CHIP	68	5%	1/10W (E)
R981	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R982	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R983	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R984	1-216-081-00	METAL CHIP	22K	5%	1/10W
R991	1-216-025-00	RES, CHIP	100	5%	1/10W
R992	1-216-041-00	METAL CHIP	470	5%	1/10W
R999	1-216-308-00	METAL CHIP	4.7	5%	1/10W (US, CND)
		< SWITCH >			
SW951	1-762-937-11	SWITCH, ROTARY (D-BASS)			

****

MAIN

Ref. No.	Part No.	Description			Remark
*	A-3313-557-A	MAIN BOARD, COMPLETE (US, CND)			
*	A-3313-559-A	MAIN BOARD, COMPLETE (E)			
		**********			
*	3-018-389-01	HEAT SINK			
*	3-018-390-01	BRACKET (IC)			
	7-685-794-09	SCREW +PTT 2.6X10 (S)			
		< CAPACITOR >			
C1	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C3	1-124-234-00	ELECT	22uF	20%	16V
C4	1-124-234-00	ELECT	22uF	20%	16V
C5	1-124-234-00	ELECT	22uF	20%	16V (US, CND)
C5	1-124-584-00	ELECT	100uF	20%	10V (E)
C6	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C7	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C8	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C10	1-164-232-11	CERAMIC CHIP	0.01uF		50V (E)
C11	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C12	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C13	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C14	1-124-589-11	ELECT	47uF	20%	16V
C15	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C16	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C17	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C18	1-124-234-00	ELECT	22uF	20%	16V
C19	1-126-157-11	ELECT	10uF	20%	16V
C20	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C21	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C22	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C93	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C94	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C95	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C96	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C97	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C98	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C99	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C101	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V (E)
C101	1-163-986-00	CERAMIC CHIP	0.027uF	10%	25V (US, CND)
C103	1-126-160-11	ELECT	1uF	20%	50V
C121	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V (E)
C121	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V (US, CND)
C122	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V (US, CND)
C122	1-164-344-11	CERAMIC CHIP	0.068uF	10%	25V (E)
C123	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V (E)
C123	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V (US, CND)
C131	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C132	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C133	1-126-160-11	ELECT	1uF	20%	50V
C134	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C141	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C142	1-126-157-11	ELECT	10uF	20%	16V
C151	1-126-160-11	ELECT	1uF	20%	50V
C152	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C153	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C154	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C155	1-126-157-11	ELECT	10uF	20%	16V
C156	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C157	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C158	1-126-157-11	ELECT	10uF	20%	16V
C161	1-124-584-00	ELECT	100uF	20%	10V
C162	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C163	1-124-234-00	ELECT	22uF	20%	16V
C171	1-126-163-11	ELECT	4.7uF	20%	50V
C172	1-126-163-11	ELECT	4.7uF	20%	50V
C173	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C174	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C175	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C176	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C177	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C178	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C201	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V (E)
C201	1-163-986-00	CERAMIC CHIP	0.027uF	10%	25V (US, CND)
C203	1-126-160-11	ELECT	1uF	20%	50V
C231	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C232	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C233	1-126-160-11	ELECT	1uF	20%	50V
C234	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C241	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C242	1-126-157-11	ELECT	10uF	20%	16V
C251	1-126-160-11	ELECT	1uF	20%	50V
C252	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C253	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C254	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C255	1-126-157-11	ELECT	10uF	20%	16V
C256	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C257	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C258	1-126-157-11	ELECT	10uF	20%	16V
C271	1-126-163-11	ELECT	4.7uF	20%	50V
C272	1-126-163-11	ELECT	4.7uF	20%	50V
C273	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C274	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C275	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C276	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C277	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C278	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C311	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C312	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C313	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C315	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C321	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C322	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C323	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C324	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C325	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C331	1-124-234-00	ELECT	22uF	20%	16V
C332	1-124-584-00	ELECT	100uF	20%	10V
C333	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C334	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C335	1-164-232-11	CERAMIC CHIP	0.01uF		50V

Ref. No.	Part No.	Description			Remark
C336	1-126-157-11	ELECT	10uF	20%	16V
C361	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C362	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C364	1-126-157-11	ELECT	10uF	20%	16V
C365	1-126-157-11	ELECT	10uF	20%	16V
C366	1-126-934-11	ELECT	220uF	20%	16V
C501	1-163-234-11	CERAMIC CHIP	20PF	5%	50V
C502	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C503	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C504	1-126-157-11	ELECT	10uF	20%	16V
C601	1-126-937-11	ELECT	4700uF	20%	16V
C602	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C603	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C604	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V (E)
C605	1-126-160-11	ELECT	1uF	20%	50V
C612	1-126-157-11	ELECT	10uF	20%	16V
C613	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C614	1-126-160-11	ELECT	1uF	20%	50V
C615	1-104-911-11	TANTALUM CHIP	33uF	20%	10V
C616	1-126-160-11	ELECT	1uF	20%	50V
C621	1-124-589-11	ELECT	47uF	20%	16V
C622	1-126-161-11	ELECT	2.2uF	20%	50V
C631	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C651	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C652	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C653	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C654	1-125-710-11	DOUBLE LAYER	0.1F		5.5V
C655	1-124-584-00	ELECT	100uF	20%	10V
C661	1-126-163-11	ELECT	4.7uF	20%	50V
C671	1-126-157-11	ELECT	10uF	20%	16V
C672	1-126-157-11	ELECT	10uF	20%	16V
C673	1-126-157-11	ELECT	10uF	20%	16V
C674	1-126-157-11	ELECT	10uF	20%	16V
C675	1-126-157-11	ELECT	10uF	20%	16V
C676	1-126-157-11	ELECT	10uF	20%	16V
C701	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C702	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C703	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C704	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C705	1-164-232-11	CERAMIC CHIP	0.01uF		50V
		< CONNECTOR/JACK >			
CN151	1-774-700-11	JACK, PIN 6P (BUS AUDIO IN, LINE OUT FRONT/REAR)			
CN301	1-766-260-11	CONNECTOR, FFC/FPC (ZIF) 7P			
* CN302	1-506-995-11	PIN, CONNECTOR (PC BOARD) 13P			
CN601	1-774-701-11	PIN, CONNECTOR 16P			
CN631	1-764-422-11	PLUG, CONNECTOR 12P			
CN701	1-580-907-31	PLUG, CONNECTOR (BUS CONTROL IN)			
		< COMPOSITION CIRCUIT BLOCK >			
CP1	1-519-504-11	GAP, DISCHARGE			
		< DIODE >			
D1	8-719-991-65	DIODE SB02W03C			
D2	8-719-977-25	DIODE DTZ9.1C			
D3	8-719-977-02	DIODE DTZ-TT11-5.6A			

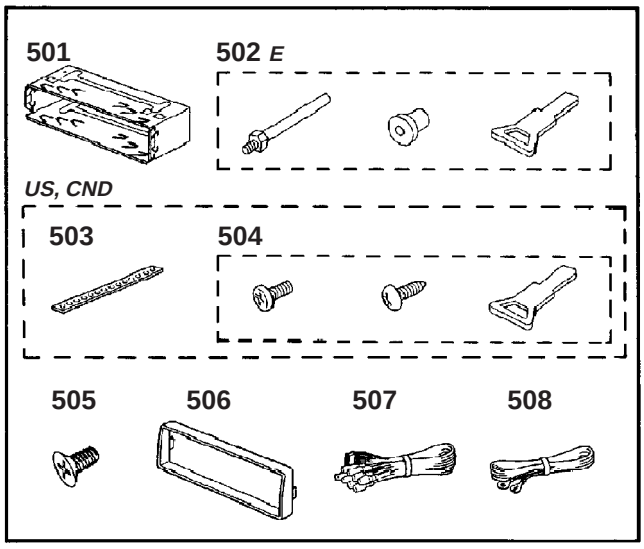
Ref. No.	Part No.	Description	Remark
D191	8-719-970-02	DIODE 1SR139-400	
D192	8-719-970-02	DIODE 1SR139-400	
D193	8-719-970-02	DIODE 1SR139-400	
D194	8-719-970-02	DIODE 1SR139-400	
D291	8-719-970-02	DIODE 1SR139-400	
D292	8-719-970-02	DIODE 1SR139-400	
D293	8-719-970-02	DIODE 1SR139-400	
D294	8-719-970-02	DIODE 1SR139-400	
D331	8-719-991-33	DIODE 1SS133T-77	
D361	8-719-977-25	DIODE DTZ9.1C	
D362	8-719-991-33	DIODE 1SS133T-77	
D501	8-719-914-44	DIODE DAP202K	
D601	8-719-049-38	DIODE 1N5404TU	
D602	8-719-977-69	DIODE DTZ24B	
D603	8-719-977-69	DIODE DTZ24B	
D604	8-719-105-99	DIODE RD6.2M-B1	
D605	8-719-105-99	DIODE RD6.2M-B1 (E)	
D606	8-719-988-62	DIODE 1SS355 (E)	
D607	8-719-970-02	DIODE 1SR139-400	
D621	8-719-422-12	DIODE MA8039	
D622	8-719-988-62	DIODE 1SS355	
D631	8-719-158-49	DIODE RD12SB2	
D632	8-719-109-93	DIODE RD6.2ESB2	
D633	8-719-109-93	DIODE RD6.2ESB2	
D634	8-719-110-49	DIODE RD18ES-B2	
D635	8-719-109-93	DIODE RD6.2ESB2	
D636	8-719-109-93	DIODE RD6.2ESB2	
D637	8-719-109-93	DIODE RD6.2ESB2	
D638	8-719-109-93	DIODE RD6.2ESB2	
D639	8-719-105-99	DIODE RD6.2M-B1	
D640	8-719-105-99	DIODE RD6.2M-B1	
D641	8-719-105-99	DIODE RD6.2M-B1	
D651	8-719-988-62	DIODE 1SS355	
D652	8-719-988-62	DIODE 1SS355	
D661	8-719-914-43	DIODE DAN202K	
D662	8-719-977-17	DIODE DTZ7.5C	
D671	8-719-970-02	DIODE 1SR139-400	
D672	8-719-970-02	DIODE 1SR139-400	
D701	8-719-056-93	DIODE UDZ-TE-17-18B	
D702	8-719-105-99	DIODE RD6.2M-B1	
D703	8-719-105-99	DIODE RD6.2M-B1	
D704	8-719-105-99	DIODE RD6.2M-B1	
D705	8-719-105-99	DIODE RD6.2M-B1	
D706	8-719-988-62	DIODE 1SS355	
		< IC >	
IC1	8-759-448-84	IC BU2624F-E2	
IC161	8-759-443-67	IC LC75373ED	
IC301	8-752-079-79	IC CXA2510AQ-T4	
IC361	8-759-823-87	IC LB1638M	
IC501	8-759-522-61	IC uPD78058GC-F58-3B9	
IC611	8-759-490-74	IC TDA7384	
IC651	8-759-344-91	IC RN5VD23AA-TL	
IC652	8-759-363-81	IC XC61AN4002PR	
IC671	8-759-347-49	IC BA3918-V2	
IC701	8-759-449-89	IC BA8270F-E2	

MAIN

Ref. No.	Part No.	Description	Remark
		< JACK >	
J1	1-764-808-14	JACK (FM/AM ANTENNA)	
J501	1-566-822-41	JACK (REMOTE IN)	
		< SHORT/RESISTOR >	
JC1	1-216-295-00	SHORT 0	
JC2	1-216-295-00	SHORT 0	
JC5	1-216-295-00	SHORT 0	
JC6	1-216-295-00	SHORT 0	
JC7	1-216-295-00	SHORT 0	
JC8	1-216-295-00	SHORT 0	
JC9	1-216-057-00	METAL CHIP 2.2K 5% 1/10W (US, CND)	
JC9	1-216-295-00	SHORT 0 (E)	
JC10	1-216-295-00	SHORT 0	
JC11	1-216-295-00	SHORT 0	
JC12	1-216-295-00	SHORT 0	
JC31	1-216-295-00	SHORT 0	
JC33	1-216-295-00	SHORT 0	
JC34	1-216-295-00	SHORT 0	
JC35	1-216-295-00	SHORT 0	
JC36	1-216-295-00	SHORT 0	
JC37	1-216-295-00	SHORT 0 (US, CND)	
JC101	1-216-296-00	SHORT 0	
JC102	1-216-296-00	SHORT 0 (E)	
JC103	1-216-296-00	SHORT 0 (E)	
JC104	1-216-296-00	SHORT 0	
JC105	1-216-296-00	SHORT 0	
JC106	1-216-296-00	SHORT 0	
JC107	1-216-296-00	SHORT 0	
JC108	1-216-296-00	SHORT 0	
JC113	1-216-296-00	SHORT 0	
JC114	1-216-296-00	SHORT 0	
JC116	1-216-296-00	SHORT 0	
JC117	1-216-296-00	SHORT 0	
JC118	1-216-296-00	SHORT 0	
JC119	1-216-296-00	SHORT 0	
JC120	1-216-296-00	SHORT 0	
JC121	1-216-296-00	SHORT 0	
JC122	1-216-296-00	SHORT 0	
JC123	1-216-296-00	SHORT 0	
JC124	1-216-296-00	SHORT 0	
JC126	1-216-296-00	SHORT 0	
JC131	1-216-296-00	SHORT 0	
JC132	1-216-296-00	SHORT 0	
JC133	1-216-296-00	SHORT 0	
JC134	1-216-296-00	SHORT 0	
JC136	1-216-296-00	SHORT 0	
JC139	1-216-296-00	SHORT 0	
JC140	1-216-296-00	SHORT 0	
JC195	1-216-295-00	SHORT 0	
JC196	1-216-295-00	SHORT 0	
JC197	1-216-295-00	SHORT 0	
JC201	1-216-295-00	SHORT 0	
JC202	1-216-295-00	SHORT 0	
JC203	1-216-295-00	SHORT 0	
JC204	1-216-295-00	SHORT 0	
JC206	1-216-295-00	SHORT 0	
JC207	1-216-295-00	SHORT 0	
JC227	1-216-295-00	SHORT 0	
		< COIL >	
L601	1-411-669-12	COIL, CHOKE	
		< TRANSISTOR >	
Q1	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q2	8-729-021-94	FET 2SK1657-T1B	
Q3	8-729-106-68	TRANSISTOR 2SD1615A-GP	
Q5	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q171	8-729-920-21	TRANSISTOR DTC314TKH04	
Q172	8-729-920-21	TRANSISTOR DTC314TKH04	
Q271	8-729-920-21	TRANSISTOR DTC314TKH04	
Q272	8-729-920-21	TRANSISTOR DTC314TKH04	
Q361	8-729-921-48	TRANSISTOR 2SD1760F5-TRPQR	
Q362	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q363	8-729-900-53	TRANSISTOR DTC114EK	
Q364	8-729-106-60	TRANSISTOR 2SB1115A	
Q365	8-729-900-53	TRANSISTOR DTC114EK	
Q621	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q622	8-729-900-53	TRANSISTOR DTC114EK	
Q631	8-729-423-99	TRANSISTOR 2SD2137-OP	
Q633	8-729-020-67	TRANSISTOR XN1A312-TX	
Q651	8-729-024-31	TRANSISTOR XN1111-TX	
Q661	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q701	8-729-900-53	TRANSISTOR DTC114EK	
Q702	8-729-027-38	TRANSISTOR DTA144EKA-T146	
		< RESISTOR >	
R1	1-216-049-11	RES, CHIP 1K 5% 1/10W	
R2	1-216-031-00	METAL CHIP 180 5% 1/10W	(US, CND)
R2	1-216-037-00	METAL CHIP 330 5% 1/10W	(E)
R4	1-216-041-00	METAL CHIP 470 5% 1/10W	
R5	1-216-105-00	RES, CHIP 220K 5% 1/10W	
R6	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R7	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R8	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R9	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R10	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R11	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R12	1-216-049-11	RES, CHIP 1K 5% 1/10W	
R13	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R14	1-216-206-00	RES, CHIP 2.2K 5% 1/8W	
R15	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R17	1-216-073-00	METAL CHIP 10K 5% 1/10W	(E)
R18	1-216-073-00	METAL CHIP 10K 5% 1/10W	(E)
R19	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R92	1-216-049-11	RES, CHIP 1K 5% 1/10W	(US, CND)
R101	1-216-214-00	RES, CHIP 4.7K 5% 1/8W	
R102	1-216-089-00	RES, CHIP 47K 5% 1/10W	(US, CND)

Ref. No.	Part No.	Description			Remark
R121	1-216-057-00	RES, CHIP	2.2K	5%	1/10W (E)
R121	1-216-295-00	SHORT	0 (US, CND)		
R122	1-216-073-00	METAL CHIP	10K	5%	1/10W (US, CND)
R133	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R134	1-216-230-00	RES, CHIP	22K	5%	1/8W
R142	1-216-073-00	METAL CHIP	10K	5%	1/10W
R151	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R171	1-216-017-00	RES, CHIP	47	5%	1/10W
R172	1-216-017-00	RES, CHIP	47	5%	1/10W
R173	1-216-073-00	METAL CHIP	10K	5%	1/10W
R174	1-216-073-00	METAL CHIP	10K	5%	1/10W
R175	1-216-081-00	METAL CHIP	22K	5%	1/10W
R176	1-216-081-00	METAL CHIP	22K	5%	1/10W
R177	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R178	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R201	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R202	1-216-089-00	RES, CHIP	47K	5%	1/10W (US, CND)
R233	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R234	1-216-230-00	RES, CHIP	22K	5%	1/8W
R242	1-216-073-00	METAL CHIP	10K	5%	1/10W
R251	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R271	1-216-017-00	RES, CHIP	47	5%	1/10W
R272	1-216-017-00	RES, CHIP	47	5%	1/10W
R273	1-216-073-00	METAL CHIP	10K	5%	1/10W
R274	1-216-073-00	METAL CHIP	10K	5%	1/10W
R275	1-216-081-00	METAL CHIP	22K	5%	1/10W
R276	1-216-081-00	METAL CHIP	22K	5%	1/10W
R277	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R278	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R311	1-216-109-00	METAL CHIP	330K	5%	1/10W
R312	1-216-079-00	METAL CHIP	18K	5%	1/10W
R313	1-216-077-00	METAL CHIP	15K	5%	1/10W
R314	1-208-812-11	RES, CHIP	18K	2%	1/10W
R321	1-216-109-00	METAL CHIP	330K	5%	1/10W
R322	1-216-079-00	METAL CHIP	18K	5%	1/10W
R323	1-216-077-00	METAL CHIP	15K	5%	1/10W
R331	1-216-009-00	METAL CHIP	22	5%	1/10W
R332	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R333	1-216-077-00	METAL CHIP	15K	5%	1/10W
R334	1-216-113-00	METAL CHIP	470K	5%	1/10W
R335	1-216-073-00	METAL CHIP	10K	5%	1/10W
R361	1-216-049-11	RES, CHIP	1K	5%	1/10W
R362	1-249-389-11	CARBON	4.7	5%	1/4W
R363	1-249-389-11	CARBON	4.7	5%	1/4W
R364	1-216-073-00	METAL CHIP	10K	5%	1/10W
R365	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R501	1-216-206-00	RES, CHIP	2.2K	5%	1/8W
R502	1-216-206-00	RES, CHIP	2.2K	5%	1/8W
R503	1-216-206-00	RES, CHIP	2.2K	5%	1/8W
R504	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R505	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R506	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R507	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R508	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R509	1-216-246-00	RES, CHIP	100K	5%	1/8W (E)
R510	1-216-097-00	RES, CHIP	100K	5%	1/10W
R511	1-216-097-00	RES, CHIP	100K	5%	1/10W
R512	1-216-097-00	RES, CHIP	100K	5%	1/10W
R513	1-216-097-00	RES, CHIP	100K	5%	1/10W
R514	1-216-097-00	RES, CHIP	100K	5%	1/10W
R515	1-216-097-00	RES, CHIP	100K	5%	1/10W
R516	1-216-097-00	RES, CHIP	100K	5%	1/10W
R517	1-216-081-00	METAL CHIP	22K	5%	1/10W
R518	1-216-081-00	METAL CHIP	22K	5%	1/10W
R519	1-216-190-00	RES, CHIP	470	5%	1/8W
R520	1-216-081-00	METAL CHIP	22K	5%	1/10W
R521	1-216-097-00	RES, CHIP	100K	5%	1/10W
R522	1-216-097-00	RES, CHIP	100K	5%	1/10W
R523	1-216-246-00	RES, CHIP	100K	5%	1/8W
R524	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R525	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R526	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R527	1-216-246-00	RES, CHIP	100K	5%	1/8W
R528	1-216-097-00	RES, CHIP	100K	5%	1/10W
R529	1-216-097-00	RES, CHIP	100K	5%	1/10W
R530	1-216-246-00	RES, CHIP	100K	5%	1/8W
R531	1-216-097-00	RES, CHIP	100K	5%	1/10W
R532	1-216-246-00	RES, CHIP	100K	5%	1/8W
R533	1-216-025-00	RES, CHIP	100	5%	1/10W
R534	1-208-806-11	RES, CHIP	10K	0.5%	1/10W
R535	1-216-097-00	RES, CHIP	100K	5%	1/10W
R537	1-216-097-00	RES, CHIP	100K	5%	1/10W (US, CND)
R538	1-216-093-00	METAL CHIP	68K	5%	1/10W (US, CND)
R538	1-216-097-00	RES, CHIP	100K	5%	1/10W (E)
R540	1-216-097-00	RES, CHIP	100K	5%	1/10W (E)
R541	1-216-097-00	RES, CHIP	100K	5%	1/10W (US, CND)
R542	1-216-198-00	RES, CHIP	1K	5%	1/8W
R601	1-216-049-11	RES, CHIP	1K	5%	1/10W (E)
R602	1-216-129-00	METAL CHIP	2.2M	5%	1/10W (E)
R611	1-216-073-00	METAL CHIP	10K	5%	1/10W
R612	1-216-089-00	RES, CHIP	47K	5%	1/10W
R613	1-216-097-00	RES, CHIP	100K	5%	1/10W
R614	1-216-220-00	RES, CHIP	10K	5%	1/8W
R621	1-216-017-00	RES, CHIP	47	5%	1/10W
R622	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R631	1-249-383-11	CARBON	1.5	5%	1/6W
R632	1-249-383-11	CARBON	1.5	5%	1/6W
R633	1-249-383-11	CARBON	1.5	5%	1/6W
R634	1-249-383-11	CARBON	1.5	5%	1/6W
R636	1-216-186-00	RES, CHIP	330	5%	1/8W
R638	1-216-025-00	RES, CHIP	100	5%	1/10W
R639	1-216-025-00	RES, CHIP	100	5%	1/10W
R640	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R641	1-208-806-11	RES, CHIP	10K	0.5%	1/10W
R642	1-208-806-11	RES, CHIP	10K	0.5%	1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R651	1-216-113-00	METAL CHIP	470K	5%	1/10W
R652	1-216-097-00	RES, CHIP	100K	5%	1/10W
R653	1-208-806-11	RES, CHIP	10K	0.5%	1/10W
R654	1-208-806-11	RES, CHIP	10K	0.5%	1/10W
R655	1-216-025-00	RES, CHIP	100	5%	1/10W
R656	1-216-025-00	RES, CHIP	100	5%	1/10W
R661	1-216-206-00	RES, CHIP	2.2K	5%	1/8W
R662	1-216-073-00	METAL CHIP	10K	5%	1/10W
R663	1-216-089-00	RES, CHIP	47K	5%	1/10W
R664	1-216-089-00	RES, CHIP	47K	5%	1/10W
R665	1-216-085-00	METAL CHIP	33K	5%	1/10W
R701	1-216-017-00	RES, CHIP	47	5%	1/10W
R702	1-216-073-00	METAL CHIP	10K	5%	1/10W
R703	1-216-174-00	RES, CHIP	100	5%	1/8W
R704	1-216-025-00	RES, CHIP	100	5%	1/10W
R705	1-216-089-00	RES, CHIP	47K	5%	1/10W
		< VARIABLE RESISTOR >			
RV131	1-223-829-11	RES, ADJ, CARBON 1.0K			
RV231	1-223-829-11	RES, ADJ, CARBON 1.0K			
		< SWITCH >			
S501	1-571-478-11	SWITCH, SLIDE (POWER SELECT)			
S502	1-571-478-11	SWITCH, SLIDE (FREQUENCY SELECT) (E)			
S503	1-692-431-21	SWITCH, TACTILE (RESET)			
		< TUNER UNIT >			
TU1	A-3282-019-A	TUX-008 (EA) (FM/AM TUNER UNIT) (E)			
TU1	A-3282-034-A	TUX-010 (E) (FM/AM TUNER UNIT) (US, CND)			
		< VIBRATOR >			
X1	1-567-848-11	VIBRATOR, CRYSTAL (7.2MHz)			
X501	1-579-233-11	VIBRATOR, CERAMIC (5MHz)			
X502	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)			
**********					
		MISCELLANEOUS			
		**********			
9	1-776-207-31	CORD (WITH CONNECTOR) (POWER) (US, CND)			
9	1-776-207-81	CORD (WITH CONNECTOR) (POWER) (E)			
F601	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A)			
HP901	1-500-411-11	HEAD, MAGNETIC (PLAYBACK)			
M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)			
**********					
		**********			
		HARDWARE LIST			
		**********			
#1	7-621-772-10	SCREW +B 2X4			
#2	7-685-793-09	SCREW +PTT 2.6X8 (S)			
#3	7-685-792-09	SCREW +PTT 2.6X6 (S)			
#4	7-685-794-09	SCREW +PTT 2.6X10 (S)			
#5	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT			
#6	7-624-104-04	STOP RING 2.0, TYPE-E			
#7	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3			
**********					

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-467-559-91	REMOTE COMMANDER (RM-X47) (E)	
	3-861-989-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH, CHINESE) (E)	
	3-861-989-21	MANUAL, INSTRUCTION (ENGLISH) (US, CND)	
	3-861-989-31	MANUAL, INSTRUCTION (FRENCH) (CND)	
	3-861-990-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, CHINESE) (E)	
	3-861-990-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH) (US, CND)	
	9-939-081-01	LID, BATTERY (for RM-X47)	
	X-3373-412-1	CASE (PANEL) ASSY (for FRONT PANEL)	
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		PARTS FOR INSTALLATION AND CONNECTIONS	
		**********	
501	3-916-161-31	FRAME ASSY	
502	X-3370-077-1	SCREW ASSY (AE. KEY), FITTING (E)	
503	3-924-961-01	SUPPORT (ND), FITTING (US, CND)	
504	X-3370-076-1	SCREW ASSY (KEY), FITTING (US, CND)	
505	X-3371-913-1	SCREW ASSY (J)	
506	3-018-384-01	COLLAR (C6100)	
506	3-022-230-01	COLLAR (C6100W)	
507	1-776-207-31	CORD (WITH CONNECTOR) (POWER) (US, CND)	
507	1-776-207-81	CORD (WITH CONNECTOR) (POWER) (E)	
508	1-775-543-11	CORD, GROUND